1.	Which Medium Wool breed was developed in the United States?			
	*A	Montadale		
	В	Dorset		
	С	Southdown		
	D	Hampshire		
2.		eins produced by an animal's immune system in response to invasion by bacteria, viruses, or sites are:		
	Α	vaccines		
	В	serums		
	С	toxoids		
	*D	antibodies		
3.	Whic	h information is NOT typically required for the registration of individual hogs?		
	*A	Number of teats		
	В	Date farrowed		
	С	Name of sire		
	D	Ear notches		
4.	Bacterial disease that affects both sheep and goats when the animal has a wound. Symptoms include stiffness, rigid jaw, and inability to eat.			
	Α	Blue Tounge		
	В	Vibriosis		
	С	Enterotoxemia		
	*D	Tetanus		
5.	Whic	h of the following breeds of cattle is NOT primarily white to gray in color?		
	Α	Charolais		
	В	Chianina		
	*C	Limousin		
	D	White Park		
6.	A sw	ine nutritional health problem caused by lack of iron in the diet.		
	*A	Anemia		
	В	Parakeratosis		
	С	Hypoglycemia		
	D	Rickets		
7.		eed of cattle that originated in Scotland that has a smooth hair coat, black in color, polled, and is of the most popular breeds in the United States today:		
	Α	Polled Hereford		
	*B	Angus		
	С	Gelbvieh		
	D	Devon		

A rack B foresaddle C chuck D hindsaddle 9. Which country accounts for the highest percent of the world cattle population? A Russia B India C Australia D USA 10. Meat provides about what percent of the animal protein consumed in the world? A 0.55 B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? "A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham "B Litter size	8.	The leg and loin of a lamb are the primary wholesale meat cuts that come from the:				
C chuck *D hindsaddle 9. Which country accounts for the highest percent of the world cattle population? A Russia *B India C Australia D USA 10. Meat provides about what percent of the animal protein consumed in the world? A 0.55 *B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		Α	rack			
*D hindsaddle 9. Which country accounts for the highest percent of the world cattle population? A Russia *B India C Australia D USA 10. Meat provides about what percent of the animal protein consumed in the world? A 0.55 *B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		В	foresaddle			
*D hindsaddle 9. Which country accounts for the highest percent of the world cattle population? A Russia *B India C Australia D USA 10. Meat provides about what percent of the animal protein consumed in the world? A 0.55 *B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		С				
A Russia B India C Australia D USA 10. Meat provides about what percent of the animal protein consumed in the world? A 0.55 B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham						
*B India C Australia D USA 10. Meat provides about what percent of the animal protein consumed in the world? A 0.55 *B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham	9.	Whi	ch country accounts for the highest percent of the world cattle population?			
C Australia D USA 10. Meat provides about what percent of the animal protein consumed in the world? A 0.55 B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		Α	Russia			
D USA 10. Meat provides about what percent of the animal protein consumed in the world? A 0.55 *B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		*B	India			
10. Meat provides about what percent of the animal protein consumed in the world? A 0.55 *B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		С	Australia			
A 0.55 *B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		D	USA			
*B 0.35 C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham	10.	Mea	t provides about what percent of the animal protein consumed in the world?			
C 0.9 D 0.1 11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		Α	0.55			
11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		*B	0.35			
11. The process of taking food nutrients through the intestinal wall is: A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		С	0.9			
A assimilation B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		D	0.1			
B regurgitation C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham	11.	The process of taking food nutrients through the intestinal wall is:				
C mastication *D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		Α	assimilation			
*D absorption 12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		В	regurgitation			
12. Which cattle problem is associated with nutritional health? A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		С	mastication			
A Ringworm B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		*D	absorption			
B Warts *C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham	12.	Which cattle problem is associated with nutritional health?				
*C Bloat D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		Α	Ringworm			
 D Pinkeye 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham 		В	Warts			
 13. Which breed of medium wool sheep has the characteristics of white ears, face, nose, and legs? *A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham 		*C	Bloat			
*A Dorset B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		D	Pinkeye			
B Hampshire C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham	13.	Whi	ch breed of medium wool sheep has the characteristics of white ears, face, nose, and legs?			
C Southdown D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		*A	Dorset			
D Shropshire 14. Which trait for swine has the lowest heritability estimate? A Percent ham		В	Hampshire			
14. Which trait for swine has the lowest heritability estimate? A Percent ham		С	Southdown			
A Percent ham		D	Shropshire			
	14.	Whi	ch trait for swine has the lowest heritability estimate?			
*B Litter size		Α	Percent ham			
		*B	Litter size			
C Loin muscle area		С	Loin muscle area			
D Carcass Length		D	Carcass Length			

15.	The	breed of swine can be traced to the early 1700's?		
	*A	Berkshire		
	В	Poland China		
	С	Duroc		
	D	Hampshire		
16.	Beef	cattle categorized as American breeds have what breed as a genetic base?		
	* A	Brahman		
	В	Shorthorn		
	С	Hereford		
	D	Angus		
17.		breed of cattle that was developed on the King Ranch in Texas and consists of 3/8 Brahman and 5/8 rthorn is called:		
	Α	Brangus		
	В	Beefmaster		
	*C	Santa Gertrudis		
	D	Shorthorn		
18.	The first American breed of beef cattle was the:			
	*A	Texas Longhorn		
	В	Angus		
	С	Santa Gertrudis		
	D	Polled Hereford		
19.	One	common characteristic between Yorkshire, Landrace, and Chester Whites is:		
	Α	maternal qualities		
	В	terminal qualities		
	С	ear shape		
	*D	color		
20.	Shee	ep are a major enterprise in the area of the United States.		
	*A	western		
	В	eastern		
	С	northern		
	D	southern		
21.	Whic	ch trait has the highest heritability estimate in cattle?		
	Α	fertility		
	В	weaning weight		
	*C	post weaning rate of gain		
	D	number of young weaned		

22.	Rumi	inant animals can synthesize of the 22 required amino acids.
	Α	0
	В	10
	*C	22
	D	18
23.	The r	most popular breed of registered medium wool sheep in the United States is the:
	Α	Shropshire
	*B	Hampshire
	С	Southdown
	D	Rambouillet
24.	The F	Pietrain breed of swine originated in
	* A	Belgium
	В	Germany
	С	Denmark
	D	China
25.	The breeds of cattle with origin in Europe such as Charolais, Simmental, and Limousin are usua referred to as:	
	*A	Continental breeds
	В	Maternal breeds
	С	Commercial breeds
	D	British breeds
26.	Lamb	os are commonly weaned at about months of age.
	*A	three
	В	two
	С	six
	D	four
27.	Acco	rding to USDA, the greatest expense in the production of livestock is:
	Α	livestock purchased
	В	fuel and electricity
	С	contract and hired labor
	*D	feed purchased
28.	Feed	additives in swine rations that control internal parasites are:
	Α	antibiotics
	В	vitamins
	С	amino acids
	*D	anthelmintics

29.	What feedstuff contributes most of the carbohydrates in swine rations?				
	*A	corn			
	В	alfalfa meal			
	C D	oats			
		soybean meal			
30.	Whi	ch breed of beef cattle has been the leader on total number registered since 1970?			
	Α	Charolais			
	В	Simmental			
	*C	Angus			
	D	Hereford			
31.	Fat	present in muscle tissue is known as:			
	Α	tallow			
	В	condition			
	С	finish			
	*D	marbling			
32.		A complex protein produced by living cells that causes changes in other substances in the body withou being changed itself and without becoming a part of the product is a(n):			
	Α	lipid			
	*B	enzyme			
	С	vitamin			
	D	steroid			
33.		ch breed of cattle descended from Spanish Andalusian cattle brought over by Columbus on his ond voyage?			
	Α	Scotch Highland			
	В	Hereford			
	*C	Texas Longhorn			
	D	Santa Gertrudis			
34.		utritional problem characterized by a swollen abdomen on the left side, labored breathing, profuse vation, groaning, lack of appetite, and stiffness.			
	Α	anemia			
	В	colic			
	С	founder			
	*D	bloat			
35.	Ami	no acids are the building blocks of:			
	* A	protein			
	В	vitamins			
	С	fats			
	D	sugars			

36.	A	animal is one that is of a particular breed.
	Α	linebred
	В	crossbred
	*C	purebred
	D	outcrossed
37.	Whi	ch state has greatest feedlot beef cattle production?
	Α	Oklahoma
	*B	Nebraska
	С	Iowa
	D	California
38.	The	use of living organisms or their products (livestock production) is also known as:
	*A	biotechnology
	В	animal welfare
	С	animal rights
	D	genetic engineering
39.	Estr	rus in cattle usually occurs every:
	Α	60 days
	В	30 days
	С	12 days
	*D	21 days
40.	follo	sease that affects cattle and sheep with symptoms of lameness, followed by depression and fever, bwed by swelling in the muscles of the hip, shoulder, chest. Back, and neck, with sudden death in 3 days of the onset of the symptoms is:
	Α	leptospirosis
	В	distemper
	*C	blackleg
	D	pneumonia
41.	The	length of the estrous cycle for a ewe is:
	Α	21 days
	*B	17 days
	С	72 hours
	D	14 days
42.	Whi	ch Medium Wool breed of sheep has a white face?
	Α	Hampshire
	В	Shropshire
	*C	Dorset
	D	Suffolk

43.	One	common characteristic between Hampshire, Yorkshire, and Berkshire swine is:
	* A	erect ears
	В	terminal qualities
	С	maternal qualities
	D	color
44.	Whi	ch common breed of swine was imported to the United States from Denmark?
	Α	Duroc
	В	Yorkshire
	*C	Landrace
	D	Hereford
45.	Bab	y pigs require temperatures of degrees F.
	Α	50-60
	В	60-70
	С	70-80
	*D	80-90
46.	The	most serious health problem of sheep and goats is:
	Α	Bacterial diseases
	В	Nutritional deficiencies
	*C	Internal parasites
	D	External parasites
47.	Soli	d floors in hog houses are usually made of
	Α	wood
	В	earthen
	С	pea gravel
	*D	concrete
48.	Heln	minths are of major economic importance to the livestock industry in regard to the management of:
	Α	disease
	*B	internal parasites
	С	external parasites
	D	viruses
49.	The	first breed of beef cattle imported to the United States in the late 1700's was the:
	Α	Brahman
	*B	Shorthorn
	С	Hereford
	D	Angus

50.	Which of the following breeds of cattle did not originate in Italy?				
	Α	Romagnola			
	В	Piedmontese			
	*C	Maine Anjou			
	D	Chianina			
51.	Arc	haeological evidence from the Middle East indicates domestication of the pig occurred as early as years ago.			
	*A	9000			
	В	5000			
	С	500			
	D	1000			
52.	The	genetic makeup of an animal is called its:			
	Α	dominance			
	*B	genotype			
	С	recessiveness			
	D	phenotype			
53.	Which breed of goat produces mohair?				
	*A	Angora			
	В	Boer			
	С	Nubian			
	D	Toggenburg			
54.	Animals that through selection and breeding have come to resemble one another and pass those traits uniformly to their offspring are defined as:				
	Α	a hybrid			
	*B	a breed			
	С	progeny			
	D	genetics			
55.	The	largest compartment of the ruminant stomach for a mature grazing cow is called the:			
	Α	reticulum			
	*B	rumen			
	С	abomasums			
	D	omasum			
56.	Fee	d additives used to control worms and other internal parasites are:			
	Α	Antimicrobials			
	В	Probiotics			
	С	Coccidiostats			
	*D	Anthelmintics			

A Rumen B Reticulum C Omasum *D Abomasum	57.	Archeology has found evidence that sheep have been domesticated for years.				
C 1000 *D 6000 *B 6000 58. Fats and oils provide times more energy than do carbohydrates, *A 2.25 B 10 C 5.5 D 100 59. Which major swine breed originated in England, with the major development of the breed occurring in Kentucky? Originally known as the Thin Rind. A Poland China *B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester *B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		Α	2000			
*D 6000 58. Fats and oils provide times more energy than do carbohydrates, *A 2.25 B 10 C 5.5 D 100 59. Which major swine breed originated in England, with the major development of the breed occurring in Kentucky? Originally known as the Thin Rind. A Poland China *B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester *B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		В				
Fats and oils provide times more energy than do carbohydrates, "A 2.25 B 10 C 5.5 D 100 59. Which major swine breed originated in England, with the major development of the breed occurring in Kentucky? Originally known as the Thin Rind. A Poland China "B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester "B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ "B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum "D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		С	1000			
*A 2.25 B 10 C 5.5 D 100 S9. Which major swine breed originated in England, with the major development of the breed occurring in Kentucky? Originally known as the Thin Rind. A Poland China 'B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester 'B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ 'B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum 'D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		*D	6000			
B 10 C 5.5 D 100 59. Which major swine breed originated in England, with the major development of the breed occurring in Kentucky? Originally known as the Thin Rind. A Poland China B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar	58.	Fats	s and oils provide times more energy than do carbohydrates,			
C 5.5 D 100 Which major swine breed originated in England, with the major development of the breed occurring in Kentucky? Originally known as the Thin Rind. A Poland China B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ B spinal cord C somatic nerves D autonomic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		* A	2.25			
59. Which major swine breed originated in England, with the major development of the breed occurring in Kentucky? Originally known as the Thin Rind. A Poland China 'B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester 'B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ 'B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum 'D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		В	10			
59. Which major swine breed originated in England, with the major development of the breed occurring in Kentucky? Originally known as the Thin Rind. A Poland China 'B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester 'B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ 'B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Ornasum 'D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		С	5.5			
Kentucky? Originally known as the Thin Rind. A Poland China "B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester "B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ "B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum "D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		D	100			
*B Hampshire C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester *B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar	59.					
C Duroc D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester *B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		Α	Poland China			
D Chester White 60. Which breed of sheep has the strongest flocking instinct? A Leicester *B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		*B	Hampshire			
60. Which breed of sheep has the strongest flocking instinct? A Leicester *B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		С	Duroc			
A Leicester *B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		D	Chester White			
*B Rambouillet C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar	60.	Which breed of sheep has the strongest flocking instinct?				
C Shropshire D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		Α	Leicester			
D Suffolk 61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		*B	Rambouillet			
61. An animal's central nervous system includes the brain and: A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		С	Shropshire			
A effector organ *B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		D	Suffolk			
*B spinal cord C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar	61.	An a	animal's central nervous system includes the brain and:			
C somatic nerves D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		Α	effector organ			
D autonomic nerves 62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		*B	spinal cord			
62. Which part of the ruminant stomach is recognized as the true stomach? A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		С	somatic nerves			
A Rumen B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		D	autonomic nerves			
B Reticulum C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar	62.	Whi	ch part of the ruminant stomach is recognized as the true stomach?			
C Omasum *D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		Α	Rumen			
*D Abomasum 63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		В	Reticulum			
63. What is a free-roaming "wild" animal that was once domesticated called? A buck B stag C boar		С	Omasum			
A buckB stagC boar		*D	Abomasum			
B stagC boar	63.	Wha	at is a free-roaming "wild" animal that was once domesticated called?			
C boar		Α	buck			
C boar		В	stag			
*D feral		С	•			
		*D				

64.	Yea	rlings are feeder calves between one and two years old weighing about pounds			
	Α	400-550			
	В	100-250			
	С	250-400			
	*D	550-700			
65.	Heif	fers most commonly reach puberty at the average age of:			
	* A	7 months			
	В	18 months			
	С	4 months			
	D	12 months			
66.		breed of swine which is white in color with erect ears and used extensively in commercial rations for the maternal characteristics is the:			
	Α	Berkshire			
	В	Chester White			
	С	Landrace			
	*D	Yorkshire			
67.	Which vitamin do animals tend to produce enough of so that it does not need to be included as a specific nutrient in their rations?				
	Α	Vitamin A			
	*B	Vitamin C			
	С	Vitamin E			
	D	Vitamin D			
68.	Whi	ich of the following breeds of swine is best on performance of litter size?			
	Α	Duroc			
	*B	Landrace			
	С	Poland			
	D	Berkshire			
69.	Whi	ich breed of swine is considered the oldest?			
	Α	Yorkshire			
	*B	Berkshire			
	С	Chester White			
	D	Hampshire			
70.	Whi	ich species of livestock reaches puberty based on the season and not age?			
	Α	Swine			
	В	Sneep			
	C	Sheep Cattle			

71.	What do Hampshires, Polands, and Berkshires have in common?			
	*A	color		
	В	origin		
	С	popularity		
	D	ear shape		
72 .	Whi	ch of the following vitamins is in the category of water-soluble?		
	Α	Vitamin E		
	*B	Vitamin B		
	С	Vitamin D		
	D	Vitamin A		
73.	Catt	le that are generally between six months and one year old and are sold to people		
	Α	veal calves		
	В	packer cattle		
	*C	feeder cattle		
	D	slaughter cattle		
74.	A method of animal identification that uses very low temperature to change pigment color of the skin is:			
	Α	tattoo		
	*B	freeze brand		
	С	notching		
	D	hot brand		
75.	Whi	ch of the following countries produces the most sheep?		
	*A	Australia		
	В	England		
	С	USA		
	D	Scotland		
76.	Whe	en evaluating swine performance data, litter weights are adjusted to a standard of how many days?		
	Α	12 days		
	*B	21 days		
	С	15 days		
	D	28 days		
77.	Whi	ch breed of sheep was developed at North Carolina State University?		
	Α	Suffolk		
	В	Hampshire		
	*C	Polled Dorset		
	D	Southdown		

78.	Diseases caused by a virus or bacteria are classed as:			
	*A	pathogenic		
	В	morphological		
	С	physiological		
	D	nutritional		
79.	Cho	olera is a	disease.	
	Α	nutritional		
	*B	viral		
	С	fungal		
	D	bacterial		
80.		is a disc	ease that affects the tissue of the foot in sheep.	
	* A	Foot Rot		
	В	Scrapie		
	С	Tetanus		
	D	Impaction		
81.	New	born animals rece	ive immunity to diseases by drinking:	
	Α	sterile water		
	В	fibrinogen		
	С	vaccines		
	*D	colostrum		
82.	The	period of time whi	ch an animal is pregnant is called:	
	Α	Ovulation		
	*B	Gestation		
	С	Estrus		
	D	Parturition		
83.	Ran	ge production acc	ounts for percent of the total sheep production in the United States.	
	Α	30		
	*B	70		
	С	10		
	D	50		
84.	The	average age of pu	berty in sheep is:	
	Α	12 months		
	В	3 months		
	*C	6 months		
	D	18 months		

85.	The average daily gain for growing cattle on full feed.			
	Α	1 lb/day		
	В	10 lb/day		
	С	5 lb/day		
	*D	3 lb/day		
86.	A m	ale sheep castrated before reaching sexual maturity is called a:		
	Α	ram		
	В	mutton		
	С	buck		
	*D	wether		
87.	The	majority of composite breeds of cattle in the United States use what breed as a foundation?		
	Α	Brown Swiss		
	*B	Brahman		
	С	Charolais		
	D	Polled Hereford		
88.	The most important factor when formulating a ration for livestock is:			
	Α	feed cost		
	В	size of the animal		
	*C	total digestive nutrients		
	D	availability of feed		
89.	A cattle producer that produces breeding stock including bulls and females for cow-calf operations is commonly called a:			
	Α	commercial cattleman		
	*B	seedstock/purebred breeder		
	С	stocker operator		
	D	feedyard manager		
90.	Wha	at is the only breed of sheep raised for fur in the United States?		
	Α	Merino		
	В	Dorset		
	*C	Karakul		
	D	Cheviot		
91.	The expected yield of a hog with an USDA quality grade of No. 2 is:			
	Α	52.3 to 54.4%		
	*B	57.4 to 60.3%		
	С	54.5 to 57.3%		
	D	49.9 to 52.2%		

92.	Which production trait in swine is not increased when crossing with a purebred sow?			
	*A	Conception rate		
	В	Days to 250 pounds		
	С	Feed/gain ratio		
	D	Litter size weaned		
93.	Whi	ch agency regulates the use of feed additives in the United States?		
	Α	Animal Health and Production Divison (AHPD)		
	В	Federal Register (FR)		
	С	Food and Drug Administration (FDA)		
	*D	United States Department of Agriculture(USDA)		
94.	She	ep and cattle both have multiple-compartment stomachs referred to as a(n):		
	Α	colon		
	В	intestine		
	*C	ruminant		
	D	omasum		
95.	A single stomach animal can synthesize of the 22 required amino acids.			
	*A	12		
	В	2		
	С	0		
	D	22		
96.	Wha	at breed of hair sheep originated in Texas?		
	Α	Rambouillet		
	В	Suffolk		
	С	Rabo Largo		
	*D	Barbado		
97.	The tain	major objection of boar meat is the odor of the meat called boar taint. One compound causing boar tis:		
	Α	Progesterone		
	В	Testosterone		
	*C	Skatole		
	D	Sulfamethazine		
98.	Fine	e Wool breeds of sheep include all of the following EXCEPT:		
	Α	Rambouillet		
	В	Debouillet		
	*C	Corriedale		
	D	Delaine Merino		

99.	The	sudden death of heavily muscled hogs is referred to as:		
	Α	Porcine Cardiac Complex		
	В	Mycoplasmal Pneumonia		
	С	Porcine Circivirus		
	*D	Porcine Stress Syndrome		
100.	Wha	at hormone is produced primarily by the ovaries in female animals?		
	Α	globulin		
	В	infundibulum		
	С	testosterone		
	*D	estrogen		
101.	Org	anic compounds, which are the building blocks in the formation of proteins, are:		
	Α	chromosomes		
	В	fat-soluble vitamins		
	*C	amino acids		
	D	glycogens		
102.	The weight of a hot beef carcass compared to the live weight of the animal is referred to as:			
	Α	quality		
	В	balance		
	С	carcass merit		
	*D	yield		
103.	Whi	ch of the following traits is considered undesirable when judging market lambs?		
	Α	harder handling		
	В	greater size		
	С	heavier muscled		
	*D	early maturing		
104.	Whe	en evaluating sheep, the term that refers to ruggedness and stamina is:		
	Α	condition		
	В	character		
	С	balance		
	*D	constitution		
105.	Pink	keye is a disease in cattle that is carried by		
	Α	rodents		
	В	mites		
	*C	insects		
	D	worms		

106.	Feedstuffs such as hay and silage are classified as:				
	*A	roughages			
	В	proteins			
	С	concentrates			
	D	minerals			
107.	Bee	f cattle or sheep born without horns are commonly referred to as:			
	Α	bald			
	В	hornless			
	*C	polled			
	D	scurred			
108.	Whi	ch trait in beef cattle has the highest heritability estimate?			
	Α	Weaning weight			
	В	Carcass weight			
	*C	Rib eye area			
	D	Yearling weight			
109.	Which of the following minerals is a trace mineral?				
	Α	sodium			
	В	calcium			
	*C	selenium			
	D	potassium			
110.	The process of preparing calves for the stress of being moved into the feedlot is called:				
	Α	stretching			
	В	finishing			
	*C	preconditioning			
	D	stockering			
111.	Adm	ninistering an medicinal agent to livestock that requires placement directly into a vein is called:			
	* A	intravenous			
	В	intramuscular			
	С	subcutaneous			
	D	intrarumen			
112.	Feed additives used to prevent disease and promote growth are:				
	*A	antibiotics			
	В	hormones			
	С	antioxidants			
	D	anthelmintics			

113.	Whe	n animals band together in a herd or flock, the behavior is known as:
	Α	allelomimetic
	В	agonistic
	*C	gregarious
	D	investigative
114.	Nutr	ients, which an animal can synthesize for growth and maintenance, are in a category called:
	Α	minerals
	В	protein
	С	essential nutrients
	*D	non-essential nutrients
115.		ronic degenerative disease that affects the central nervous system of cattle (also called "Mad Covase")
	Α	Bovine Respiratory Syncytial Virus
	В	Keratoconjunctivitis
	*C	Bovine Spongiform Encephalopathy
	D	Infectious Bovine Rhinotracheitis
116.	The	removal of the testicles from a male animal is:
	Α	dehorning
	В	insemination
	*C	castration
	D	vaccination
117.	Whi	ch breed of swine does not have a predominant red color?
	Α	Duroc
	В	Tamworth
	*C	Poland China
	D	Hereford
118.	Swir	ne are in a class of animals that consume both plants and meat known as:
	Α	ruminants
	В	carnivores
	С	herbivores
	*D	omnivores
119.		e than one-half of all the crossbred sheep in the United States carry some percentage of the cular breed.
	Α	Columbia
	В	Dorset
	С	Merino
	*D	Rambouillet

120. The most important wholesale cut of lamb is:		most important wholesale cut of lamb is:
	Α	shoulder
	*B	leg
	С	foreshank
	D	rib
121.	The	growth and development of animals prior to birth.
	Α	placental
	В	embryo
	*C	prenatal
	D	gestation
122.	Wha	t breed of sheep that has a distinctive white face originated in Scotland?
	Α	Corriedale
	*B	Cheviot
	С	Drysdale
	D	Suffolk
123. The reflex and response that an animal has at birth is:		reflex and response that an animal has at birth is:
	Α	intelligence
	В	reasoning
	*C	instinct
	D	conditioning
124.		tritional problem in cattle characterized by swelling of the tissue that attaches the hoof to the foot ameness of the animal.
	Α	colic
	В	anemia
	*C	founder
	D	bloat
125.	Whic	th state produces the most hogs?
	*A	lowa
	В	Texas
	С	Illinois
	D	Oklahoma
126.	The a	age at which an animal reaches sexual maturity is:
	Α	adolescence
	В	parturition
	С	heterosis
	*D	puberty

127.		ninistering a medical agent to livestock that requires placement into the skin is a(n) ction.	
	Α	intramuscular	
	В	intravenous	
	C	intramammary	
	*D	intradermal	
128.		mpairment that affects the performance of the vital life functions.	
120.	AII II	impairment that affects the performance of the vital me functions.	
	Α	protozoa	
	В	parasite	
	*C	disease	
	D	metabolism	
129.		sual evaluation of the amount of muscle on a hog is best seen by looking at the view ne hog.	N
	Α	top	
	*B	rear	
	С	side	
	D	front	
130.	Acce	elerated lambing is a system that produces lamb crops in two years.	
	*A	three	
	В	one	
	С	four	
	D	two	
131.	Sub	cutaneous injections are given:	
	Α	orally	
	В	in the muscle	
	С	in the ear	
	*D	under the skin	
132.	Pigs	s must be ear notched for, which is necessary for good record keeping.	
	Α	vaccination	
	В	sexing	
	С	grouping	
	*D	identification	
133.	Catt	le are in a class of animals which consume only plant products known as:	
	Α	carnivores	
	В	omnivores	
	С	non-ruminants	
	*D	herbivores	

134.	Whe	eat bran and animal fat are feed concentrates that are classified as:					
	Α	animal proteins					
	В	plant proteins					
	*C	processing by-products					
	D	grains					
135.	The	average dressing percentage of a steer grading choice is:					
	Α	0.7					
	В	0.43					
	*C	0.62					
	D	0.51					
136.		ny of the odor problems from confinement operations are related to the release of nure.	from				
	Α	carbon dioxide					
	В	sulfur					
	*C	ammonia					
	D	methane					
137.	Whi	Which state has the greatest total number of beef cattle?					
	*A	Texas					
	В	Nebraska					
	С	California					
	D	Kentucky					
138.	Milk	fever is a nutritional disease affecting both sheep and goats during lactation due to a lack of in the blood.					
	Α	iron					
	*B	calcium					
	С	iodine					
	D	selenium					
139.	The	age of the beef animal and the amount of marbling in the carcass affect the					
	Α	yield grade					
	*B	quality grade					
	С	hot carcass weight					
	D	dressing percentage					
140.	The	mating of animals of different family lines within the same breed is:					
	Α	inbreeding					
	В	crossbreeding					
	С	linebreeding					
	*D	outcrossing					

141.	vvna	t trait of a nog refers to its ability to raise large litters of pigs?
	* A	maternal quality
	В	conversion ratio
	С	terminal quality
	D	yield
142.	In 19	85, a one dollar per head checkoff for every head of beef sold in the United
	* A	Beef Promotion and Research Act
	В	Livestock Marketing Tax
	С	Packers and Stockyard Act
	D	Beef Quality Assurance Act
143.	Whic	th of the following breeds of cattle was originally red in color?
	Α	Brangus
	В	Galloway
	С	Brown Swiss
	*D	Gelbvieh
144.	What	t breed of cattle used in the United States came from Australia?
	* A	Murray Grey
	В	Salers
	С	Brangus
	D	Blonde d'Aquitaine
145.	Whic	th breed of beef cattle imported from France was originally used as draft animals?
	* A	Maine-Anjou
	В	Brangus
	С	Hereford
	D	Chianina
146.	What	t is the most important nutrient in a swine ration?
	Α	corn
	В	roughage
	С	soybean meal
	*D	water
147.	How	well an animal likes or accepts a feed is referred to as the:
	Α	balance
	*B	palatability
	С	composition
	D	digestibility

148.	Wha	What area of livestock production is the major issue of animal rights organizations?		
	Α	health		
	В	nutrition		
	*C	confinement		
	D	reproduction		
149.	The	class of sheep that are evaluated more on the quality of their fleece than other sheep are known as:		
	*A	Fine-wool breeds		
	В	Long-wool breeds		
	С	Medium-wool breeds		
	D	Mutton breeds		
150.	In s	wine, a male that has been castrated before reaching sexual maturity is called a:		
	Α	boar		
	*B	barrow		
	С	stag		
	D	wether		
151.	Most swine purebred associations require several items of information for the registration of individual hogs. Which information is NOT required?			
	* A	Weaning Weight		
	В	Ear notches		
	С	Number of pigs farrowed		
	D	Date farrowed		
152.	Whi	ch of the following is NOT required on a feed tag?		
	Α	active drug ingredient		
	В	ingredients		
	*C	price per CWT		
	D	guaranteed analysis		
153.	Whi	ch breed of swine developed in the United States originated in the state of New York / New Jersey?		
	Α	Pietrain		
	*B	Duroc		
	С	Landrace		
	D	Hampshire		
154.	Join	nts in the skeleton of animals that allow free movement and have a fluid-filled cavity are called:		
	Α	fibrous joints		
	В	cartilaginous joints		
	*C	diarthroses joints		
	D	amphiarthroses joints		

155.	Ang	us and Hereford cattle originated from the species:
	Α	Bull durham
	В	Bos indicus
	*C	Bos taurus
	D	Tarentaise
156.	The	length of gestation for swine is an average of how many days?
	Α	148 days
	*B	114 days
	С	283 days
	D	151 days
157.	Whi	ch fat-soluble vitamin is associated with bone development and calcium absorption?
	* A	Vitamin D
	В	Vitamin A
	С	Vitamin K
	D	Vitamin E
158.	The	testes produce sperm cells and the male sex hormone:
	Α	infundibulum
	В	estrogen
	*C	testosterone
	D	progesterone
159.	The	most common sheep identification system is:
	Α	ear notching
	В	tattooing
	С	freeze branding
	*D	ear tags
160.	Teta	nus is a disease.
	Α	fungal
	*B	bacterial
	С	nutritional
	D	viral
161.	Whi	ch amino acid listed is first limiting in swine rations?
	*A	lysine
	В	proline
	С	cystine
	D	glycine

162.	Two	factors that have a major influence on profitability in swine production are:		
	Α	Number of pigs weaned per sow; adaptability to environment		
	В	Breed; feed efficiency		
	С	Breed; adaptability to environment		
	*D	Number of pigs weaned per sow; feed efficiency		
163.	An e	essential or non-essential element or compound in a food or feed is a(n):		
	Α	mineral		
	В	protein		
	С	organic		
	*D	nutrient		
164.	The	amount of fat cover on a market steer is referred to as:		
	Α	marbling		
	*B	finish		
	С	carcass merit		
	D	fleshing		
165.	Which breed of white colored swine originated in Pennsylvania?			
	Α	American Landrace		
	В	Large Whites		
	*C	Chester White		
	D	Yorkshire		
166.	Dise	eases present in the animal's body at levels too low to cause visible effects are:		
	*A	subclinical		
	В	chemobiotics		
	С	subtherapeutic		
	D	probiosis		
167.	A m as a	arket where cattle are sold by public bidding, with the animals going to the highest bidder is known (n):		
	Α	internet market		
	В	contract market		
	*C	auction market		
	D	electronic market		
168.	The	ability to initiate, sustain, and support reproduction.		
	Α	gestation		
	В	inbreeding		
	*C	fertility		
	D	lactation		

169.	Whi	ch species of livestock has a diploid number of 27 (pairs of chromosomes)?			
	Α	Cattle			
	В	Swine			
	*C	Sheep			
	D	Goats			
170.	Whi	ch of the following countries has the greatest number of hogs?			
	Α	Germany			
	В	USA			
	С	Denmark			
	*D	China			
171.	The	expected yield of a hog with a USDA quality grade of No. 1 is:			
	Α	57.4 to 60.3%			
	В	52 to 54.4%			
	С	54.4 to 57.3%			
	*D	60.4% or greater			
172.	Which protein concentrate is limited to use by ruminants?				
	Α	meat scraps			
	В	soybean meal			
	*C	urea			
	D	molasses			
173.	Whe	en using ultrasound to evaluate breeding swine, the two measurements taken are backfat thickness:			
	Α	lean percent			
	В	marbling			
	С	internal fat			
	*D	loin-eye area			
174.	Whi	ch species of livestock is most efficient into converting feed into energy and protein?			
	Α	sheep			
	*B	swine			
	С	cattle			
	D	goats			
175.	The	amount of ammoniacal nitrogen in a feed multiplied by 6.25 is the content of a feed.			
	Α	vitamins			
	В	fat			
	*C	crude protein			
	D	fiber			

176.	The	degree to which the crossbred offspring out performs its purebred parents is:
	Α	phenotype
	В	high performance
	*C	hybrid vigor
	D	ratio condition
177.	Antl	nrax is a disease caused by bacteria that may remain in the soil for years or longer.
	*A	40
	В	10
	С	20
	D	30
178.	Wha	at is a common disqualification in rules for registering animals in a breed association?
	Α	eyes
	В	weight
	*C	color markings
	D	size
179.	Fist	ulated cattle are use primarily for studies and research.
	Α	embryo
	*B	nutrition
	C	health
	D	breeding
180.	A pe	ermanent change in the genotype of an offspring from that of its parents.
	Α	heterosis
	В	dominance
	С	mitosis
	*D	mutation
181.	Bris	ket disease affects the in cattle?
	*A	heart
	В	brain
	С	stomach
	D	lungs
182.	Whi	ch polled breed of cattle originated from horned cattle due to a genetic mutation?
	Α	Galloway
	*B	Polled Hereford
	C	Red Poll
	D	Red Angus
	_	g

183.	Wha	at is an animal resulting from the mating of two different breeds?
	Α	purebred
	В	inbred
	С	feral
	*D	crossbred
184.	The	most prevalent breed of sheep in the world is the:
	Α	Suffolk
	В	Hampshire
	С	Columbia
	*D	Merino
185.	The	secretion and production of milk in sheep, cattle and swine is known as:
	Α	fertilization
	В	anestrous
	*C	lactation
	D	ovulation
186.	offs	is a measure of the degree of difference between the offspring of a specific bull and the pring of the average bull of the breed in the trait being measured.
	*A	EPD
	В	SPF
	С	MPV
	D	OSB
187.	Wha	at is an infertile female calf born as a twin to a fertile male calf called?
	Α	Clone
	В	Sex-limited
	*C	Freemartin
	D	Markhors
188.	The	normal body temperature of cattle is:
	Α	98.6 oF
	В	104.6 oF
	*C	101.5 oF
	D	100.1 oF
189.	A m	edication sprayed directly into the animal's nostrils is called a injection.
	*A	intranasal
	В	subcutaneous
	С	intramuscular
	D	intravenous

190.	Swine dysentery is also known as:			
	Α	Clostridial diarrhea		
	*B	Bloody scours		
	С	White scours		
	D	Vibrionic scours		
191.	A di	sease carried by insects that affect the eyes of cattle is:		
	Α	leptospirosis		
	В	anthrax		
	С	brucellosis		
	*D	pinkeye		
192.	Whi	ch trait in sheep has the lowest heritability estimate?		
	Α	rib eye area		
	*B	feed efficiency		
	С	yearling weight		
	D	mature weight		
193.	The feed component containing the most easily digested carbohydrates is the:			
	Α	crude fiber		
	В	amino acids		
	*C	nitrogen free extract		
	D	minerals		
194.	Whi	ch of the following feeds is highest in total digestible nutrients (TDN)?		
	Α	coastal Bermuda		
	*B	corn		
	С	silage		
	D	sudangrass		
195.		lications used to produce immunity in livestock that are derived from plasma and fibrinogen removed n blood are:		
	* A	serums		
	В	vaccines		
	С	bacterins		
	D	antibiotics		
196.	Bree	eds of cattle that are used for both milk and meat production are considered to be:		
	Α	maternal breeds		
	*B	dual-purpose breeds		
	С	continental breeds		
	D	terminal breeds		

197.	Whi	ch exotic breed of cattle originated from Italy?	
	Α	Devon	
	В	Simmental	
	*C	Chianina	
	D	Limousin	
198.	In c	omparing breed performance for litter size in swine, which breed has the highest litter size ratio?	
	Α	Chester White	
	В	Duroc	
	С	Hampshire	
	*D	Landrace	
199.	The	Pork Promotion, Research and Consumer Information Act of 1985 established an assessment of per \$100 value of pork sold in the United States	
	*A	40 cents	
	В	\$1.00	
	С	75 cents	
	D	60 cents	
200.	Goat meat is marketed under the name:		
	Α	Veal	
	*B	Chevon	
	С	Mutton	
	D	Venison	
201.	Dise	ease caused by an organism that mainly affects the lungs.	
	Α	erysipelas	
	В	brucellosis	
	*C	tuberculosis	
	D	leptospirosis	
202.	Cots	swold sheep are classified as:	
	Α	Fine Wool	
	В	Crossbred Wool	
	*C	Long Wool	
	D	Medium Wool	
203.	The	tube that carries air to an animal's lungs.	
	Α	esophagus	
	*B	trachea	
	С	turbinate	
	D	epidermal	
		•	

204.	Wha	at is the average normal temperature of healthy swine in degrees Fahrenheit?
	Α	104.1
	*B	102.6
	С	98.6
	D	100.4
205.	Vita	mins that are stored in the body and need not be consumed everyday are:
	Α	B complex vitamins
	В	water soluble
	*C	fat soluble
	D	selenium & manganese
206.	The	swine trait having the highest heritability estimate is:
	Α	birthweight
	В	backfat thickness
	С	growth rate
	*D	carcass length
207.	The	average length of gestation for goats is:
	*A	150 days
	В	336 days
	С	283 days
	D	114 days
208.	A co	ondition caused by a lack of sugar in the diet:
	Α	Pseudorabies
	В	Parakeratosis
	*C	Hypoglycemia
	D	SMEDI
209.	The	natural waviness of wool fiber is called:
	Α	Staple length
	*B	Crimp
	С	Kemp
	D	Braid
210.		are growths on the skin of cattle caused by a virus.
	Α	Edemas
	В	Ringworms
	С	Trichomoniasis
	*D	Warts

211.	A sy	stem that is used for trading contracts for future delivery of cattle is known as:
	*A B	futures market order buying
	С	auction market
	D	internet auction
212.	The	breed of sheep noted for producing a 200 to 250 percent lamb crop:
	Α	Leicester
	*B	Finnsheep
	С	Delaine Merino
	D	Southdown
213.		process of placing sperm in the female reproductive tract by some other means than natural mating nown as:
	Α	estrus synchronization
	В	pregnancy testing
	*C	artificial insemination
	D	embryo transfer
214.	Catt	le have how many pairs of chromosomes?
	Α	16
	В	60
	*C	30
	D	24
215.	Catt	le can generally lose from 1 to 5 percent of their weight when transported. The
	Α	shipping weight
	*B	shrinkage
	С	sale weight
	D	fillback
216.	The	physical appearance of an animal is known as:
	Α	performance
	*B	phenotype
	С	genotype
	D	pedigree
217.	A m	ethod of animal identification that is a puncture in the skin of numbers or letters is known as:
	Α	hot brand
	*B	tattoo
	С	eartag
	D	freeze brand

218.	The	recommended protein percent of a grower ration for swine from weaning to 75 pounds is:
	*A	0.16
	В	0.12
	С	0.22
	D	0.19
219.	Mode	ern domestic cattle evolved from what single early ancestor?
	Α	Bos taurus
	В	Buffalo
	С	Bos indicus
	*D	Aurochs
220.	EPD	stands for:
	Α	extra production difference
	*B	expected progeny difference
	С	express package delivery
	D	expected product differential
221.	Whic	th of the following is water-soluble vitamin?
	Α	selenium
	*B	pantothenic acid
	С	potassium
	D	vitamin A
222.	The f	first milk produced by a cow after giving birth is known as:
	* A	colostrum
	В	lactose
	С	buttermilk
	D	skim milk
223.	Whic	th hormone is responsible for the masculine appearance in animals?
	*A	Testosterone
	В	Masterone
	С	Estrogen
	D	Progesterone
224.		that is provided to young animals as an extra ration and is fed in an area that is inaccessible to the ners is called a:
	Α	lactation ration
	В	maintenance feed
	С	finishing ration
	*D	creep feed

A pregnancy B palpation *C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck *B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting	225.	Duri	ng cold weather, cattle feed should be increased by what percent for each degree of cold stress?
"B 0.01 C 0.05 D 0.1 226. The total protein contained in a feed is protein. A plant "B crude C digestible D non-digestible D non-digestible D palpation "C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck "B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 "D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		Α	0.03
D 0.1 226. The total protein contained in a feed is protein. A plant B crude C digestible D non-digestible D non-digestible 227. The critical stage of production in livestock when giving birth to their offspring is: A pregnancy B palpation *C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		*B	
226. The total protein contained in a feed is protein. A plant 'B crude C digestible D non-digestible 227. The critical stage of production in livestock when giving birth to their offspring is: A pregnancy B palpation 'C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck 'B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 'D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation 'C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		С	0.05
A plant 'B crude C digestible D non-digestible 227. The critical stage of production in livestock when giving birth to their offspring is: A pregnancy B palpation 'C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck 'B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 'D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation 'C maintenance D weaning is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		D	0.1
*B crude C digestible D non-digestible D non-digestible 227. The critical stage of production in livestock when giving birth to their offspring is: A pregnancy B palpation *C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck *B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting	226.	The	total protein contained in a feed is protein.
C digestible D non-digestible 227. The critical stage of production in livestock when giving birth to their offspring is: A pregnancy B palpation 'C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck 'B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 'D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation 'C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting			·
D non-digestible 227. The critical stage of production in livestock when giving birth to their offspring is: A pregnancy B palpation 'C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck 'B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 'D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation 'C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting			
The critical stage of production in livestock when giving birth to their offspring is: A pregnancy B palpation *C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck *B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		С	•
A pregnancy B palpation *C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck *B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		D	non-digestible
B palpation *C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck *B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting	227.	The	critical stage of production in livestock when giving birth to their offspring is:
*C parturition D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck *B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		Α	pregnancy
D gestation 228. Which of the following wholesale cuts of beef has the highest value? A chuck *B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		В	palpation
228. Which of the following wholesale cuts of beef has the highest value? A chuck *B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		*C	parturition
A chuck *B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		D	gestation
*B rib C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting	228.	Whi	ch of the following wholesale cuts of beef has the highest value?
C brisket D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		Α	chuck
D shank 229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		*B	rib
229. The average feed conversion ratio for beef cattle on full feed is: A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		С	brisket
A 3:1-4:1 B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		D	shank
B 10:1-12:1 C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting	229.	The	average feed conversion ratio for beef cattle on full feed is:
C 2:1-3:1 *D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		Α	3:1-4:1
*D 6:1-7:1 230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		В	10:1-12:1
230. Rations formulated to keep an animal at its current weight and size is a ration. A finishing B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		С	2:1-3:1
A finishing B gestation *C maintenance D weaning is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		*D	6:1-7:1
B gestation *C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting	230.	Rati	ons formulated to keep an animal at its current weight and size is a ration.
*C maintenance D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		Α	finishing
D weaning 231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		В	gestation
231 is the practice of feeding a ration for ten days to two weeks before breeding. A Rationing B Waiting		*C	maintenance
A Rationing B Waiting		D	weaning
B Waiting	231.		is the practice of feeding a ration for ten days to two weeks before breeding.
B Waiting		Α	Rationing
· · · · · · · · · · · · · · · · · · ·			•
C Culling		С	Culling
*D Flushing		*D	Flushing

232.	The	normal body temperature of sheep and swine is:
	Α	Below 97 o F
	В	100 o F
	С	98.6 oF
	*D	Above 102 o F
233.	An o	bjectionable inherited defect in swine known as a whorl is actually a(n):
	* A	hair disturbance
	В	defective color
	С	inverted teat
	D	extra dewclaw
234.	Whic	th feed uses fermentation in order to increase palatability?
	Α	hay
	В	by-products
	С	concentrates
	*D	silage
235.	Feed	efficiency can be increased by grain because less is wasted.
	Α	powdering
	В	wetting
	С	grinding
	*D	pelleting
236.	Morp	phological defects in livestock are caused by:
	Α	viruses
	*B	accidents
	С	bacteria
	D	pathogens
237.	Cattl	e infected with this disease often abort during the last half of pregnancy.
	Α	Enteritis
	В	Paratuberculosis
	*C	Brucellosis
	D	Actinobacillosis
238.	The	state having the highest population of sheep and lambs is:
	Α	Colorado
	В	California
	С	Wyoming
	*D	Texas

239.	Abo beef	ut percent of total income from all livestock marketing in the United States comes from the industry?
	Α	24
	В	52
	С	11
	*D	38
240.		ousin, Charolais, and Maine-Anjou cattle are important breeds used in U.S. beef production that all inated from:
	* A	France
	В	Scotland
	С	Italy
	D	England
241.	Beef	f Quality Assurance protocol suggests the proper intramuscular injection site for cattle is the:
	Α	Shoulder
	*B	Neck
	С	Hind quarter
	D	Rump
242.	An a	animal that has extremely straight hind legs is best described as being:
	Α	sound
	В	sickle-hocked
	С	cow-hocked
	*D	post-legged
243.	The	record of the ancestors of a particular animal is recorded in its:
	*A	pedigree
	В	genetic map
	С	performance record
	D	phenotype
244.	The	first of the Continental breeds to be imported in the United States:
	Α	Salers
	*B	Charolais
	С	Simmental
	D	Limousin
245.	Whi	ch breed of cattle is most popular in Europe?
	Α	Maine-Anjou
	В	Limousin
	С	Shorthorn
	*D	Simmental

246.	The	most common classification of sheep is by:		
	Α	Origin		
	В	Carcass type		
	С	Birth numbers		
	*D	Type of wool		
247.	Whi	ch animals cannot synthesize all of the required amino acids?		
	Α	cattle		
	В	sheep		
	*C	swine		
	D	herbivores		
248.	The	most common parasites affecting beef cattle are:		
	Α	roundworms		
	*B	flies		
	С	ticks		
	D	liver flukes		
249.	The use of liquid nitrogen for storage of semen and embryos.			
	Α	genetic manipulation		
	*B	cryopreservation		
	С	cloning		
	D	hydroponics		
250.	Swi	ne are typically identified for registration by the use of:		
	Α	Ear Tags		
	*B	Ear Notches		
	С	Freeze Brand		
	D	Tattoos		
251.	The	biggest problem of raising sheep is the loss caused by:		
	Α	external parasites		
	*B	internal parasites		
	С	Overeating disease		
	D	Blue tongue		
252.	Whi Afri	ch is the fast growing, meat-type goat with a brown head and white body and originally from South ca?		
	Α	Angora		
	*B	Boer		
	С	Nubian		
	D	Saanen		

253.	Whic	/hich disease affects the turbinate bones in swine?		
	Α	Actinobacillus Pleuropneumoniae		
	В	Leptospirosis		
	С	Eperythrozoonosis		
	*D	Atropic Rhinitis		
254.	4. The estrous cycle in swine occurs:			
	Α	twice per year		
	В	weekly		
	С	bi-monthly		
	*D	every 21 days		
255.	The removal of all or part of the tail from sheep is referred to as:			
	Α	castration		
	В	notching		
	С	dehorning		
	*D	docking		
256.	Which of the following medium wool breeds of sheep are solid white in color?			
	Α	Shropshire		
	В	Oxford		
	*C	Dorset		
	D	Southdown		
257.	Name the breed of cattle which the United States Congress appropriated money in 1927 because they were almost extinct.			
	*A	Texas Longhorn		
	В	Hereford		
	С	Beefmaster		
	D	Angus		
258.	Calves younger than 3 months of age sold for slaughter are:			
	Α	cabritos		
	В	baby beef		
	С	kids		
	*D	veal		
259.	External fat on a lamb carcass is measured between which two ribs?			
	*A	12 & 13		
	В	1 & 2		
	С	9 & 10		
	D	3 & 4		

260.	aintenance ration for beef cattle is primarily:				
	*A	Roughages			
	В	Concentrates			
	С	Proteins			
	D	Carbohydrates			
261.	The male bovine of any age that has not been castrated.				
	Α	Buck			
	*B	Bull			
	С	Ram			
	D	Boar			
262.	The gestation time for cattle is:				
	*A	283 days			
	В	148 days			
	С	350 days			
	D	114 days			
263.	Lamb prices vary throughout the year and reach a high during which time?				
	Α	December to Feburary			
	В	June to August			
	С	September to November			
	*D	March to May			
264.	A selective form of breeding in which the sire and dam are related which some refer to as a mild form of inbreeding is called:				
	Α	terminal			
	В	crossbreeding			
	*C	linebreeding			
	D	outcrossing			
265.	What month of the year is the price of slaughter hogs the highest on average?				
	Α	December			
	В	October			
	*C	July			
	D	March			
266.	Approximately what percent of the market hogs sold in the United States are priced on the basis of carcass merit?				
	Α	30%			
	В	50%			
	*C	70%			
	D	90%			

267.	Vitan	Vitamins that are not stored in the body and need to be consumed everyday are:		
	Α	Selenium & Manganese		
	В	Vitamins A,D,E, & K		
	*C	water soluble vitamins		
	D	fat-soluble vitamins		
268.	Suffo	Suffolk sheep ancestry goes back to what breed of sheep?		
	Α	Dorset		
	*B	Southdown		
	С	Rambouillet		
	D	Merino		
269.	The rate or percentage of animals becoming pregnant.			
	Α	hybrid vigor		
	В	breeding soundness		
	*C	conception rate		
	D	parturition		
270.	Scrapie is a disease of both sheep and goats that affects the:			
	*A	brain		
	В	lungs		
	С	skin		
	D	digestive tract		
271.	. Which of the following minerals is categorized as a macro mineral?			
	Α	lodine		
	*B	Calcium		
	С	Zinc		
	D	Manganese		
272.	2. The majority of medium wool breeds of sheep originated in:			
	Α	Australia		
	В	Scotland		
	*C	England		
	D	United States		
273.	In a swine carcass, the loin is about percent of the total carcass.			
	Α	0.3		
	В	0.4		
	*C	0.2		
	D	0.1		

Texas Livestock CDE Bank - 2022-2026

274.	Which livestock product has the highest consumption rate in the United States?		
	Α	Lamb	
	В	Goat	
	C	Pork	
	*D	Beef	
275.	Which of the following elements is not a component of a carbohydrate?		
	*A	Nitrogen	
	В	Oxygen	
	С	Carbon	
	D	Hydrogen	