

2025 Junior NALJA Quiz Bowl Study Guide

What is the term used to describe calving difficulty?

Dystocia

What is the average gestation length of beef cow?

283 days (accept 280-285 days)

Name the first Limousin bull imported to North America.

Prince Pompadour

Bov Import imported two “D” named bulls in 1969 following the success of Prince Pompadour, what were their names?

Dandy and Diplomate

Who is the current NALF President?

Austin Hager

The term for an animal that has two different alleles for a single trait is what?

Heterozygous

A characteristic of an animal that can be measured or observed, such as color or weight, is called what?

Phenotype

What crucial product used to treat diabetes has no synthetic source, but is made from cattle by-products? ***Insulin***

What three shows make up the Triple Crown?

Cattleman’s Congress, American Royal and NAILE

In the first year of the Triple Crown there were two winners from one ranch, what was the name of the ranch?

Spitz Ranch, Norman, Oklahoma

Who was the first executive vice president of NALF?

Richard “Dick” Goff

Name three other NALF executives.

Mark Anderson, Dr. Robert “Bob” Hough, Dr. Kent Andersen, Dr. John Edwards, Dr. Wayne Vanderwert, Jerry Fitzgerald, Greg L. Martin, Robert “Bob” Vantrease, Dale F Runnion

Where is fat thickness measured when yield grading a beef carcass?

The ribeye muscle between the 12th and 13th rib

What is the name of the first Limousin bull imported permanently into the United States? ***Kansas Colonel***

Who was the first founder member of NALF and served as the NALF President for its first three years?

Robert “Bob” Purdy

What is the common name for Brucellosis?

Bangs disease

Scours is the common name for what disease?

Cattle diarrhea

Ringworm is caused by what?

Fungi or molds

What is the common name for bovine infectious keratoconjunctivitis?

Pinkeye

Expected Progeny Difference What does the term EPD stand for?

In regards to the ovary, what do the initials FSH stand for?

Follicle Stimulating Hormone

BSEs are recommended to help identify fertile bulls. What does BSE stand for? ***Breeding Soundness Exam***

The FSIS is operated by the USDA. What do the letters FSIS stand for?

Food Safety and Inspection Service

Important to the development of bones, what does the chemical symbol Ca stand for? ***Calcium***

When discussing cattle performance, what does ADG stand for?

Average daily gain

When dealing with feeds and nutrition, what do the letters TDN stand for?

Total digestible nutrients

What does BVD stand for?

Bovine viral diarrhea

What is the basic classification for non-humped cattle?

Bos taurus

What is the external portion of the female bovine reproductive tract?

Vulva

What vitamin is generally considered to be adequately provided for as long as cattle are exposed to sunlight?

Vitamin D

Vitamin D is one of four fat soluble vitamins. Name the other three.

Vitamins A, E and K

Name the two possible active ingredients in stocker cattle growth implants used in addition to those that may be found in calf growth implants.

Estradiol, trenbolone acetate (testosterone is also acceptable)

How many cattle did the North American Limousin Foundation register last fiscal year?

13,400 (accept 13,000-14,000)

When was the first French Limousin Herdbook established?

November 1886

Bacteria, Viruses, and Fungi are all categories of microorganisms which pose potential health threats to cattle. To which of these categories can we attribute Foot Rot in cattle?

Bacteria

If a homozygous polled bull is mated to heterozygous polled cows, what percentage of the offspring should be polled?

100%

Name the compartments of a ruminant stomach.

Rumen, reticulum, omasum and abomasum

Which compartment is the most similar to a human stomach?

abomasum

Where is subcutaneous fat located?

Under the skin

What is another term for intramuscular fat?

Marbling

What is the primary method of semen collection for use in breeding soundness

examinations? ***electroejaculation***

In a cow's reproductive tract, what separates the uterus and vagina? ***Cervix***

What is a cryptorchid?

An animal with one or both testicles retained in the body

What is the term for a heifer born twin to a bull?

Freemartin

When does a cow typically have the highest energy requirement?

2 months after calving

What is the best term to use when referring to a calf's female parent?

Dam

In what units is scrotal circumference measured?

Centimeters

What are the building blocks for proteins?

Amino Acids

What is the name of the protective covering of thick skin covered with hair, which surrounds the testes? ***Scrotum***

What is the name of the official publication of NALF?

Limousin 365

How many compartments are in the ruminant stomach?

4

Male cattle that have been castrated are called what?

Steers

What hormone is produced by the testes?

Testosterone

Who is the current President of NALJA and where are they from?

Eliza Truel, Oklahoma

What is the letter prefix used in 2021?

J

Small horns that are not attached to the skull, but by the skin only are referred to as? ***Scurs***

In a beef cow, which compartment of the stomach has the greatest volume?

Rumen

What is the term used to describe a specific animal's ancestry or lineage?

Pedigree

Which grain is higher in protein, wheat or corn?

Wheat

What state is the North American Limousin Foundation located in?

Colorado

Warts are caused by what type of organism?

Virus

Muscle and fat are the two of three major tissues in an animal's carcass. Name the third. ***Bone***

What is the name of the first milk that a cow gives after calving?

Colostrum

What is the name of young female cattle that have not calved yet?

Heifer

Weaning weights are adjusted to how many days of age?

205

Among Angus, Hereford and Limousin, which would you expect to have the highest incidence of cancer eye?

Hereford

To prevent infections, a newborn calf should have its navel dipped in what solution?

Iodine

Name three methods of cow identification.

Ear tags, hot brands, freeze brands, tattoos, neck chains, brisket tags

What do the initials USDA stand for?

United States Department of Agriculture

What chemical substance is semen stored in?

Liquid Nitrogen

In common terminology, hip heights adjusted for age are used to calculate what?

Frame score

What sex chromosomes will a male calf have?

XY

What do the letters MOE stand for?

Medal of Excellence

Bloat can be detected visually on which side of an animal's body?

Left

What is another name for a surrogate mother in an embryo transfer program?

Recipient cow

What quality grade has the highest degree of marbling?

Prime

What is the primary sense a cow uses to recognize her calf?

Smell

What is the scientific name for the afterbirth expelled post calving?

Placenta

What is the practice of feeding a calf a grain ration while it is still nursing?

Creep feeding

Which is dominant, the gene for horned or the gene for polled?

Polled is dominant

What livestock disease is abbreviated using the letters FMD?

Foot and Mouth Disease

If a heterozygous black bull is mated to heterozygous black cows, what percentage of the calves are expected to be red?

25%

In carcass terms, what do the letters REA stand for?

Ribeye Area

In NALF's genetic evaluation program, what do the letters ACC represent?

Accuracy

What do you call a Limousin animal that can be traced entirely back to Limousin parentage and has 100%

for its actual Limousin percentage?

Fullblood

What is an animal sired by a Fullblood Limousin bull out of a registered Angus cow designated as?

50% Lim-Flex (accept Lim-Flex)

Who is the current Executive Director of NALF?

Mark Anderson

In cattle, in what trimester does the fetus gain the majority of its weight?

Last

How many directors are on the NALJA Board?

9

In terms of birthing, what is the name of the condition that occurs when a calf is presented tail first? **Breech birth**

If a cow is bred A.I. on January 1st, in what month is she due?

October

In what country did Limousin cattle originate?

France

When was NALJA formed?

1973

What do the letters NCBA stand for?

National Cattlemen's Beef Association

What year were Limousin first imported into North America?

1968

What is the normal pulse rate for cattle?

60-70 beats per minute

What are the grades of beef for young market animals?

Prime, Choice, Select, Standard

How many months after calving will a beef cow normally come into heat?

1½ to 2 months

What are cattle that naturally lack horns called?

Polled

What basic nutrient is found in the largest quantities in an animal's body?

Water

The estrous cycle of a beef cow lasts how long?

18-23 days

What is the proper approximate rectal temperature in cattle?

101-102 degrees Fahrenheit

What type of injection goes directly into the muscle?

Intramuscular

What is the recommended age a heifer should first calve?

2 years old

True or false fiber is hard to digest?

True

What do you call high energy source feeds?

Carbohydrates

A pelvis in a cow can grow up to how many years?

5 years

A combination of one dominant and one recessive gene is termed what?

Heterozygous

What is the recommended Calcium to Phosphorus ratio in a balanced bovine diet?

2:1

Porterhouse steak comes from what beef wholesale cut?

Loin or short loin

What are two factors which may influence body temperature in a healthy animal? **Weather, exercise, disease, excitement, time of day**

What four factors can be used to determine an animal's EPDS

Its own data, Parents Data, Offspring data, Genetic makers

A cow with a body condition score of 1 would be considered what?

Extremely thin, the answer "thin" will not be taken as correct

What score would be assigned to a cow that is Extremely Fat.

9

Name the most common breed of bos Taurus cattle in the United States.

Angus

What three pieces of information do you need to know to determine an animal's frame score? **Hip Height, Age, Sex**

Is a mature cow that has the same frame score as a mature bull the same hip height as the bull? **No**

A steer is defined as being what?

A castrated male

At what point does a heifer become a cow?

When she has her first calf

What are the five USDA Yield grades given to beef cattle?

YG 1,2,3,4,5

Quality Grades are given based on the animals maturity and what other factor?

Marbling

Intravenous injections are given where?

In the vein

According to BQA Guidelines where should intramuscular injections be given? **In the muscle in the neck**

If a breeder would like to produce a LimFlex that is 50% Limousin NALJF % and they own a Purebred female' what are their two breed options for sires?

Angus and Red Angus

Name the fungus that gets into the hide & develops a rough skin condition where the hair drops out in round patches.

Ringworm

Subcutaneous injections are given where?

Under the skin

What is the term for the period of time between when a cow is bred and when she calves? **Gestation**

If a homozygous polled bull is turned out with a herd of horned cows what percentage of the calf crop will have horns?

0%

What do the letters ET stand for?

Embryo Transfer

What do the letters AI stand for?

Artificial Insemination

About how long after a heifer is in standing heat should she be bred?

12 hours

What is the three letter word that describes a bolus of regurgitated food common to ruminants?

Cud

What is the common name for cattle diarrhea?

Scours

Parturition is the formal name for what process?

Calving

Dystocia is also known as what?

Abnormal or difficult labor

The continental breeds of cattle were developed on what continent?

Europe

Name two continental breeds of cattle.

Limousin, Gelbvieh, Charolais, Chianina, Maine-Anjou, Saler, Simmental, Tarentaise

The target body condition score for a cow prior to calving is what?

5 to 6

What is the number scale associated with Body condition scoring?

1 to 9

What is the male sex hormone called?

Testosterone

What word refers to one-third of a cow's gestation period?

Trimester

What is the name given to meat from cattle that are less than nine months of age at the time of harvest? ***Veal***

Why are beef carcasses aged?

To improve tenderness

What is the term used to describe a genetic combination where both genes are the same? ***Homozygous***

What is another word for hybrid vigor?

Heterosis

What is the most important nutrient in an animal's diet?

Water

What nutrient, when fed to cattle, will increase their water consumption?

Salt

What is BQA?

Beef Quality Assurance

What does IVF stand for?

In Vitro Fertilization

Is sexed semen stored in 1/2 cc straw or 1/4 cc straw?

1/4 cc