

Livestock Knowledge Bowl Study Questions for Intermediates

True or False - High birth weights in calves are always good. -BF 6

- a. False

True or False - Insemination should occur a minimum of eight hours prior to expected ovulation in swine. -SW 18

- b. True

True or False - In market sheep you evaluate structural soundness from the ground up. -SH 3

- c. True

True or False - Urea should be fed to goats and kids. -GT 5

- d. False

A goat kid should have its first feeding within how long after birth? -GT 5

- a. 1 Hour

_____ is a way of estimating what size cattle will be when they are fully grown. -BF 2

- b. Frame Score

Canadian style bacon is a _____ cut. -SW 5

- c. Loin

_____ is the meat from sheep older than 12 months of age. -SH 1

- d. Mutton

The _____ breed of cattle was developed in England and brought to the United States in 1817. These animals have red bodies with white faces. They are known for their foraging ability, vigor, hardiness, and quiet dispositions. -BF 2

- a. Hereford

The _____ breed of cattle was brought to the United States from England in 1783. These animals can be red, white, or roan in color. They are noted for their good disposition, mothering, and milking abilities. -BF 2

- b. Shorthorn

What is the primary factor affecting the pounds of lean in a pig and is measured along the back at specific location? -Sw 4

- a. Fat Depth

What is the most commonly measured on the loin of the pig and is helpful in predicting the pounds of lean in the carcass of a pig? -SW 4

- b. Muscle Mass

What is the normal birth position for lambs? -SH 3

- a. Front feet first with head lying on top.

What is the first thing to do once the lamb is born? -SH 3

- b. Clear mouth and nasal of any fluids

Vitamin E helps reduce the severity of what condition in goats? -GT 5

- a. Mastitis

Which is the only fat soluble vitamin that does NOT need to be supplemented for goats? -GT 5

- b. Vitamin K

Under pasture conditions, a bull that is two years old or older can typically service or breed _____ cows. -BF 6

- o 35

Which nutrient group in hogs are compounds that assists the body in the assimilation and use of other nutrients? -SW 8

- o Vitamins

What term indicates an illness that can be transmitted between humans and sheep? -SH 9

- o Zoonotic

In goats, heating milk to 165 degrees for fifteen seconds is _____ pasteurization. -GT 7

- o Flash

When using the plastic grid to measure beef rib eye area, how many dots equal one square inch? -BF 8

- a. 10

What is the ideal condition score of a sow? -SW 8

- o 3

Sheep have how many pairs of chromosomes? -SH 11

- o 27

The _____ breed of goat will often times be castrated at a later time so they can develop larger horns. -GT 6

- o Angora

There are around _____ days between weaning and breeding for heifers. -BF 7

- o 200

How often should needles be replaced when giving shots to swine? -SW 24

- a. Every 20 pigs

In a well maintained goat herd, the _____ shearing produces more fleece. -GT 9

- o Spring

Fed or finished dairy steers are ideally marketed at what age? -BF 11

- o 12 - 14 months

In sheep, the American style roast comes from the _____. -SH 7

- o Leg

The leanest cut of pork is the _____. -SW 6

- o Tenderloin

Name the quality grades for slaughter (mutton) sheep carcasses. -SH 6

- a. Choice, Good, Utility, Cull

Specially treated hog _____ is used to treat burn victims. -SW 5

- o Skin

Where is fat measured on a meat goat carcass? -GT 8

- o 13th rib

How long should the electric dehorner be on each horn button of a calf? -BF 11

- o 10 - 15 seconds

:Which is an inherited defect in sheep that is a recessive trait that results in lambs with deformed legs and spine? -SH 11

- o Spider Lamb Syndrome

At what age are the majority of goat kids in meat and fiber systems weaned? -GT 10

- a. 60 - 90 Days

True or False - Buck goats will likely lose weight during the breeding season. -GT 5

- a. True

True or False - Salt is the main source of sodium in a cow's diet. -BF 7

- b. True

True or False - Potassium is known as an electrolyte. -SW 6

- c. True

True or False - Over-fat sheep have a higher reproductive rate. -SH 4

- d. False

How many weeks before breeding should ewe sheep be flushed? -SH 3

- a. 2 weeks

What type of ears do LaMancha goats have? -GT 2

- b. Gopher Ears

On average, how long after conception will a cow calve? -BF 6

- c. 283

What is the most common method for permanent pig identification? -SW 10

- d. Ear notching

When cattle are viewed from the front or rear and the knees are close together and the feet toe out away from each other, what is it called? -BF 2

- a. Splayfooted

_____ is an undesirable structural condition where a calf is "over at the knees" preventing full extension of the knee. When observed from the side the legs appear slightly bent. This is usually seen in cattle that are too straight in the shoulder. -BF 2

- b. Buck Kneed

How many dots are in area three on a plastic grid used to measure muscle area in hogs? -SW 4

- a. 60

What is the average loin muscle area in swine in square inches? -SW 4

- b. 5.75 - 6.5

Which compartment of a sheep's stomach grinds the feed and squeezes the water out of it. -SH 4

- a. Omasum

Which compartment of a sheep's stomach is the "true stomach" and has digestive juices that further break down feed into usable nutrients? -SH 4

- b. Abomasum

After a goat is castrated it is called a _____. -GT 6

- a. Wether

The most popular use for goat milk is _____. -GT 7

- b. Cheese

The most important nutrient for any animal is _____. -BF 7

- o Water

Which injection in sheep is given under the skin? -SH 13

- o Subcutaneous

The napole gene is associated with the _____ breed of hog. -SW 4

- o Hampshire

A harness kid is a goat that must be _____. -GT 9

- o Halter Broke

The first shearing of the year for goats takes place in what month? -GT 9

- a. March

Farm block operations usually have about how many sheep? -SH 10

- o 30 - 200

Fleece production in Angora goats increases and peaks at approximately ____ years of age. -GT 9

- o 3 - 4

Carcass evaluation for fat in hogs often times takes place at the _____ rib. -SW 4

- o 10th

Blind staggers come from an excess of _____. -BF 7

- o Selenium

What are the four basic sheep needs? -SH 13

- a. Care, Food, Shelter, Water

Cattle typically receive enough vitamin _____ from sunlight. -BF 7

- o Vitamin D

The best place to give an IM or SC injection to a lamb is in the _____. -SH 5

- o Neck

LaMancha goats are tattooed where? -GT 6

- Web of the tail

US Feeder pigs are broken down into _____. -SW 4

- Grades

What are the two categories of vitamins? -BF 7

- a. Fat soluble and Water soluble

Fresh Pork should be a _____ color. -SW 4

- Reddish-pink

Under the USDA program all goats and sheep are identified and tracked to help eradicate what disease? -GT 6

- Scrapies

The lead strap should be on the _____ side of a cattle halter. -BF 9

- Left

Most abortions in sheep occur in what period of pregnancy? -SH 5

- Last one half or one third

Name two areas where on a pig retail cuts of pork come from. -SW 5

- a. Leg, Loin, Blade Shoulder, Side, Arm Shoulder

True or False - There is no way to prevent Enterotoxemia. -SH 5

- a. False

True or False - A pygmy goat that is polled has a disqualifying fault. -GT 9

- b. True

True or False - The list of ingredients on a beef cattle feed label starts with the ingredient with the lowest concentration and then to the highest. -BF 7

- c. False

True or False - Most cuts of pork contain less than 200 calories per three ounce serving. -SW 6

- d. True

The final step of pork production is _____. -SW 4

- a. Turning it into food for humans

What is a healthy temperature for sheep? -SH 5

- b. 102.3 degrees Fahrenheit

What method of castration of goats is the most common, the safest, and uses elastic? -GT 6

- c. Elastrator

What organ in cattle produces the female sex cell called the egg? -BF 6

- d. Ovaries

Which beef cattle disease is a contagious virus that causes diarrhea, abortions, weak calves, high temperature, discharge from nose, and problems with the intestines? -BF 5

- a. BVD

Which beef cattle disease occurs when the calf's resistance is low because of stress, allowing bacteria or viruses to start infection and then the calf becomes dehydrated? -BF 5

- b. Calf Scours

Which mineral in pigs is used for bone formation? -SW 8

- a. Calcium

Which mineral in pigs is involved in bone building and assists in energy utilization? SW 8

- b. Phosphorus

_____ is wool from the hindquarters of the sheep, usually the coarsest on the body. -SH 7

- a. Britch

_____ is the process of removing the grease, dirt, etc, from the sheep's wool. -SH 7

- b. Scouring

Which male goat reproductive organ is a paired organ that produces sperm and secretes the hormone Testosterone? -GT 4

- a. Testicles

Which male goat reproductive organ is small tubes leading from each epididymis to the urethra that transports sperm when mating occurs? -GT 4

- b. Vas Deferens

_____ injections in a newborn pig are necessary to prevent anemia. -SW 21

- o Iron

What is the desired weight for meat goats in the cabrito market? -GT 8

- o 15 - 30 lbs.

The rumen is located on the _____ side of the cow. -BF 7

- o Left

A young lamb will eat up to what amount of its body weight in dry matter? -SH 4

- o 6 percent

Name two common internal parasites in pigs. -SW 9

- a. Roundworm, Whipworm, Nodular worm, Stomach worm, Lung worm, Thread worm, Kidney worm

As a general rule, cattle that have more _____ have more marbling. -BF 8

- o Fat

The dairy goat industry is highly regulated by what industry? -GT 7

- o FDA

A mature ram can breed how many ewes in a pasture breeding program? -SH 3

- o 40 - 60

What does VCPR stand for in swine health? -SW 24

- Veterinarian Client Patient Relationship

At what age are kids usually dehorned? -GT 6

- a. 7 - 10 Days

How long is gestation in goats? -GT 4

- 148 - 152 Days

Adult bred ewes require how much loose square feet of barn space? -SH 3

- 10 - 12

Boston butt steaks in hogs are part of the _____. -SW 5

- Shoulder

Yield grade is also called _____. -BF 8

- Cutability

Which vitamin is important for the prevention of white muscle disease in sheep? -SH 4

- a. Vitamin E

Which state in the United States is first in sheep production? -SH 6

- Texas

A calf should be fed colostrum for the first _____ days of its life. -BF 11

- 3 days

Number 1 feeder pigs in the United States have _____ hams and shoulders with thick muscling. -SW 4

- Long

In goats, the _____ parlor is the best for milking a large amount of animals. -GT 7

- Rotary

From birth to weaning, each calf requires approximately _____ feet of space. -BF 11

- a. 25 feet

If there is a drug recall, check the _____ to see if your bottle was affected? -SH 13

- a. Lot Number

The carcass evaluation for fat in hogs often takes place at the _____ rib. -SW 4

- b. 10th

When measuring your cattle's feed, it is important to always _____. -BF 7

- c. Weigh out the ration

The United States has to import goat _____ in order to meet the demand. -GT 7

- a. Cheese

Name two areas where you leave hair longer when clipping cattle. -BF 9

- a. Poll, Tail Head, Hind Legs, Sometimes Lower Quarter

US Feeder pigs come in different _____ and are separated according to certain characteristics. -SW 4

- b. Grades

Adult bred ewes require how much loose square feet of barn space? -SH 3

- c. 10 - 12 square feet

Which female goat reproductive organ produces hormones and produces eggs in small, blister like structures called follicles? -GT 4

- d. Ovaries

Ideally you should sort cows prior to calving based upon what? -BF 7

- a. Body Condition

What is the first step in training beef cattle for a show? -BF 9

- b. Halter Breaking

What is the preferred temperature for pigs at finishing weight? -SW 11

- a. 50 - 75 degrees Fahrenheit

What is the preferred temperature for pigs at nursery? -SW 11

- b. 65 - 80 degrees Fahrenheit

Which sheep breed was developed in Spain, is the basis for all wool breeds, and has a white face with wool on its head and legs? -SH 10

- a. Merino

Which sheep breed, was developed in France, will breed out of season, and has wool that is fine in fiber diameter. Is large, white faced, and polled or horned. -SH 10

- b. Rambouillet

How long after the beginning of estrus in goats does ovulation occur? -GT 4

- a. 18 Hours

About how long after ovulation in a doe goat does the embryo attach itself to the wall of the uterus? -GT 4

- b. 20 Days

Cattle that are considered _____ are not expected to grow and fatten normally. -BF 11

- o Unthrifty

The _____ has paired tubes or horns connected to the oviducts in a female pig. -SW 15

- o Uterus

What is the normal temperature for a mature sheep? -SH 3

- o 101.4 - 104.9 degrees fahrenheit

What male goat reproductive organ is the site of temporary storage and maturation of sperm? -GT 4

- o Epididymis

The ability of your dairy beef feeder steer to gain is largely affected by the _____ of the cattle.
-BF 11

- a. Breed

Name three things on the label of a drug for beef cattle. -BF 12

- Withdrawal time, animal species, dosage, how it is to be given, for what disease/condition

The performance level of a swine herd is determined by what two things? -SW 15

- Genetics and the Environment

What is the normal birth position for lambs? -SH 3

- Front feet first with head lying on top

What disease in goats is caused by a bacteria that enters through skin wounds and fresh navels and some symptoms are muscle stiffness, lack of coordination, and being unable to eat or drink?
-GT 6

- Tetanus

The _____ contains the testes and is outside the male pig's body. -SW 15

- a. Scrotum

Because of their stomach structure with four chambers, cattle are called _____ animals. -BF 7

- Ruminant

_____ refers to when the sow or gilt starts to release eggs. -SW 18

- Ovulation

A young lamb will eat up to what amount of its body weight in dry matter? -SH 4

- 6 Percent

The person or facility harvesting and dressing your beef animal is referred to as the _____.
-BF 8

- Packer

When should lambs be weaned? -SH 3

- a. 60 Days or 45 lbs.

Immature cows continue to grow until about _____ years of age. -BF 7

- Four

Any change from swine drug label directions is called _____ and is illegal without vet consent. -SW 24

- Extra Label Drug Use

Pregnancy toxemia in sheep is commonly known as _____. -SH 5

- Lambing Sickness

The hind saddle, consisting of the loin, leg, and other minor cuts, is what percent of a meat goat carcass? -GT 8

- 48 Percent

_____ costs include items such as feed, vet expenses, breeding fees, bedding, and ear tags.
-GT 12

- a. Variable Costs

A gene pair in pigs, where both genes are the same is called what? -SW 17

- Homozygous

How long is the average gestation in sheep? -SH 1

- 143-125 days

If milking goats in a circle formation where the milker stands stationary, but the parlor rotates it is a _____ parlor. -GT 7

- Rotary

Which dairy cattle breed is one of the oldest breeds, originated in Switzerland, its color ranges from light gray to dark tan, black nose, and white muzzle, and is large framed and tends to be more heavily muscled than other dairy breeds? -BF 11

- Brown Swiss

When a lamb is born dead, this is referred to as a _____. -SH 5

- a. Abortion

The largest country producer of cashmere is _____. -GT 9

- b. China

Something that lives off another living thing is called a _____. -BF 5

- c. Parasite

Which group of animal science careers is for someone who enjoys working with animals and being directly involved, and likes to be outdoors? -SW 25

- d. Production Management

On average, how many days will it take a mature cow in good condition to return to heat after calving? -BF 6

- a. 40 Days
- b. 45 Days**
- c. 50 Days
- d. 55 Days

How often does the estrous cycle repeat in a healthy cow that is not bred? -BF 6

- e. 10 - 15 Days
- f. 18 - 21 Days**
- g. 25 - 27 Days
- h. 30 - 38 Days

Which nutrient from pork gives 33 percent of daily value and helps build red blood cells and metabolize carbohydrates? -SW 6

- a. Vitamin B-12

Which nutrient from pork gives 11 percent of daily value, is also known as an electrolyte, plays a major role in water balance, and helps maintain normal blood pressure? -SW 6

- b. Potassium

_____ is the closeness of the fibers per unit area of skin on a sheep? -SH 7

- a. Density

_____ is abnormal, coarse, hairy fibers in some sheep's fleece. =SH 7

- b. Kemp

In goats, _____ mastitis is characterized as mastitis showing visible signs of infection. -GT 7

- a. Clinical

In goats, _____ mastitis occurs when there are no visible signs of mastitis or infection but when somatic cell counts are above normal. -GT 7

- b. Subclinical

A blade chop in sheep comes from the _____. -SH 7

- Shoulder**
- Roast
- Loin
- Arm

_____ is the number of times a teat of a goat goes through the rest and milk phase. -GT 7

- Pulsation Rate

Lice is a bigger problem in what season? -BF 5

- Winter**
- Spring
- Summer
- Fall

What is the lifespan of sperm cells in the oviduct of swine? -SW 18

- 24 - 72 hours

Brucellosis in cattle is also known as _____. -BF 5

- a. Bang's Disease

Sheep wool contains a grease called _____ that is used in cosmetics. -SH 7

- Lanolin

Angora goats are shaved _____ a year. -GT 9

- Two Times**
- Three times
- Four Times
- Six Times

A bacteria in cattle that infects and destroys the cells of the intestine and causes bloody diarrhea is called _____. -BF 5

- Coccidiosis

How big should the farrowing space be for a sow and litter in a pen with guard rails and creep area? -SW 19

- 2 X 5 Feet
- **5 X 10 feet**
- 8 X 11 Feet
- 12 X 15 Feet

The presence of milk in a sow/gilt pig indicates it will farrow within what amount of time? -SW 20

- a. 24 hours

The wool most commonly used for making fabric is _____ wool. -SH 7

- Combing

The coarsest hair on the goat can be found on the _____. -GT 9

- **Neck**
- Rump
- Loin
- Belly

If a needle is dirty and bacteria gets under the skin, this can cause a _____. -BF 5

- Abscess

Pork Chops come from the _____. -SW 5

- Loin

In sheep, as the amount of _____ increases, the yield grade decreases. -SH 6

- a. External Fat

Name the USDA quality grades for lamb and yearling lamb carcasses. -SH 6

- Prime, Choice, Good, Utility

In goats, a fatal condition involving a ruptured bladder caused by urinary calculi is called _____. -GT 6

- Waterbelly

In beef cattle, in order to determine the frame score of your animal you need to know what two things? -BF 2

- Birth date and hip height measurement

In a hog carcass, a callie looks like a small _____. -SW 5

- Ham

You can have teams of ____ or ____ goats pulling a cart. -GT 9

- a. 2 or 4