

Swine Quiz Bowl

Intermediate Questions

Set A

Developed 01/2012

HEALTH

Question # 1 Team A Contestant 1

Short Answer

Question: Name a common grain that is used in swine diets.

Answer: Corn or soybean meal

Resource: Texas 4-H Swine Project Guide, AS16-2 Page: 8

HEALTH

Question # 2 Team B Contestant 1

Short Answer

Question: What is one feed medication that may be used to prevent pneumonia?

Answer: Lincomix or Pulmotil

Resource: Swine Pneumonia, L-5203 Page: 5

CARCASS QUALITY

Question # 3 Team A Contestant 2

Fill in the Blank

Question: Pork should be cooked to a medium degree of doneness, with an internal temperature of _____.

Answer: 160 degrees F

Resource: Selecting the Perfect Chop (or Steak), ASWeb-092 Page: 1

YOUTH PROJECTS

Question # 4 Team B Contestant 2

Short Answer

Question: How often should a needle be replaced if it is never bent?

Answer: At least every 20 injections.

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 1

GENERAL MANAGEMENT

Question # 5 Team A Contestant 3

Fill in the Blank

Question: You should change your footwear and equipment or clean and disinfect when going from the _____ farm returning to the main herd.

Answer: Isolation

Resource: Isolation Procedures for Farrowing Operations, L-2263 Page: 1

YOUTH LIVESTOCK JUDGING

Question # 6 Team B Contestant 3

Short Answer

Question: What is body capacity?

Answer: Internal dimension

Resource: Evaluating Market Swine, ASWeb-039 Page: 4

CARCASS QUALITY

Question # 7 Team A Contestant 4

Short Answer

Question: As hogs age, do they tend to fatten from front to rear or from rear to front?

Answer: Front to rear

Resource: Carcass Quality - Why is it important?, ASWeb-070 Page: 2

GENERAL MANAGEMENT

Question # 8 Team B Contestant 4

Fill in the Blank

Question: A piglet's _____ is a good yardstick to measure general health and comfort.

Answer: Behavior

Resource: Baby Pig Basics, ASWeb-069 Page: 2

* * * * * **Toss-Up Questions** * * * * *

YOUTH PROJECTS

Question # 9

True/False

Question: In sows, tenting the loose skin behind the ear is deemed acceptable by NPPC for a subcutaneous injection.

Answer: True

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 2

HEALTH

Question # 10

Short Answer

Question: The term "thumping" refers to what?

Answer: Shallow rapid breathing

Resource: Swine Pneumonia, L-5203 Page: 1

HEALTH

Question # 11

Short Answer

Question: List one way to prevent a diet-induced diarrheal disease in swine?

Answer: Do not overfeed protein and other ingredients such as fat and make sure the pig finds the water source.

Resource: Diarrheal Disease in Show Swine, E-439 Page: 3

HEALTH

Question # 12

Short Answer

Question: What was the first name given to the virus that causes PRRS?

Answer: Lelystad virus

Resource: Porcine Reproductive and Respiratory Syndrome, L-5137 Page: 1

GENERAL MANAGEMENT

Question # 13

Short Answer

Question: Besides the "oink", what are 3 key co-products used from pigs?

Answer: Heart valves, insulin, burn dressings, pigskin leather, drugs, or pharmaceuticals

Resource: Quick Facts, pork.org Page: 37

GENERAL MANAGEMENT

Question # 14 ** Bonus Question Attached **

True/False

Question: Watching your pig closely is always important, but especially just after arrival.

Answer: True. Be sure they are eating, drinking and to detect sickness.

Resource: Texas Ag Extension Service, Starting Them Off Right!!, Sterle, ASWeb-075 Page: 2

HEALTH

Question # BONUS QUESTION

Short Answer

Question: How is Atrophic Rhinitis diagnosed in live animals?

Answer: Veterinarians can diagnose bacterial rhinitis and turbinate atrophy by swabbing the turbinate bones through the snout and producing a bacterial culture. Visual inspection is another method of live animal diagnosis.

Resource: Atrophic Rhinitis, L-2193 Page: 2

CARCASS QUALITY

Question # 15

Short Answer

Question: Where is subcutaneous fat located?

Answer: Under the skin

Resource: From Pen to Plate: Carcass Composition of Market Hogs, ASWeb-087 Page: 1

GENETICS & SELECTION

Question # 16

True/False

Question: Body capacity in breeding animals should be: deep rib and flank, spring and shape to rib, wide chest floor

Answer: True. Discriminate against: •Shallow bodied or "round ribbed". •Flat ribbed. •Narrow chested

Resource: Texas Cooperative Extension, Breeding Swine Selection, ASWeb-117 6-00 Page: 2

HEALTH

Question # 17

Short Answer

Question: How long (in days) can the PRRS virus be recovered from the throat of an infected pig after the start of an infection?

Answer: 157 days

Resource: Porcine Reproductive and Respiratory Syndrome, L-5137 Page: 3

HEALTH

Question # 18

Short Answer

Question: What company makes a ractopamine product called Paylean for swine?

Answer: Elanco Animal Health (a division of Eli Lilly and Company)

Resource: The Facts about Paylean™: Ractopamine for Swine, Sterle, ASWeb-093 Page: 1

CARCASS QUALITY

Question # 19

Short Answer

Question: Define "Extra Label"

Answer: The VETERINARIAN prescribes a drug to be used in a manner other than what's on the label.

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 37

CARCASS QUALITY

Question # 20

Short Answer

Question: What method of cooking is used for tender cuts of meat?

Answer: Dry heat cooking

Resource: Selecting the Perfect Chop (or Steak), ASWeb-092 Page: 1

FEEDS/FEEDING

Question # 21

Short Answer

Question: What does the acronym PQA stand for?

Answer: Pork Quality Assurance

Resource: Quick Facts, pork.org Page: 10

CARCASS QUALITY

Question # 22

Short Answer

Question: List the three types of potential food safety hazards in meat products.

Answer: Microbial, chemical, and physical

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 14

HEALTH

Question # 23 ** Bonus Question Attached **

Short Answer

Question: When should you determine the cause of diarrhea in swine?

Answer: As soon as the pig develops diarrhea

Resource: Diarrheal Disease in Show Swine, E-439 Page: 3

CARCASS QUALITY

Question # BONUS QUESTION

Short Answer

Question: What three pork plants "strongly encourage" PQA requirements?

Answer: John Morrell, IBP, and Seaboard Farms

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 5

HEALTH

Question # 24

Short Answer

Question: What is one way to minimize economic losses from disease when purchasing the initial swine in your herd?

Answer: Purchase all of the initial swine in your herd and all replacements from one source.

Resource: Plan for Herd Health When Starting a Swine Operation, L-2369 Page: 2

FEEDS/FEEDING

Question # 25

Short Answer

Question: When feeding Paylean what level of Crude Protein is recommended in your swine feed?

Answer: At least 16%

Resource: The Facts about Paylean™: Ractopamine for Swine, Sterle, ASWeb-093 Page: 1

REPRODUCTION

Question # 26

Short Answer

Question: List up three things that determine when a gilt reaches puberty?

Answer: Age; body condition; plane of nutrition; exposure to a mature boar; pen size; and number of gilts per pen

Resource: Keeping Show Gilts as Replacements, ASWeb 088 Page: 1

CARCASS QUALITY

Question # 27

Short Answer

Question: What is the maximum rate/ton allowed for feeding Paylean?

Answer: 18 grams/ton. Paylean™ is approved at 18 grams per ton from 150 to 240 pounds (pen average).

Resource: The Facts about Paylean™: Ractopamine for Swine, Sterle, ASWeb-093 Page: 1

GENETICS & SELECTION

Question # 28

Short Answer

Question: List 3 underline problems in breeding females.

Answer: Poor spacing, pin nipples, inverted nipples, blunt/blind nipples, or coarse/fleshy nipples.

Resource: Texas Cooperative Extension, Breeding Swine Selection, ASWeb-117 6-00 Page: 2

CARCASS QUALITY

Question # 29

Short Answer

Question: What method of cooking should be used for less tender cuts?

Answer: Moist Heat Cooking

Resource: Selecting the Perfect Chop (or Steak), ASWeb-092 Page: 1

REPRODUCTION

Question # 30

Short Answer

Question: What is an AI spirette?

Answer: A spirette is a spiral shaped, plastic tipped insemination rod.

Resource: Artificial Insemination of Swine, L-5321 Page: 2

Swine Quiz Bowl

Intermediate Questions

Set B

Developed 01/2012

CARCASS QUALITY

Question # 1 Team A Contestant 1

Short Answer

Question: If a pork carcass is given a muscle score of 1, is this considered thick, average, or thin?

Answer: Thin

Resource: Carcass Quality - Why is it important?, ASWeb-070 Page: 1

GENERAL MANAGEMENT

Question # 2 Team B Contestant 1

Short Answer

Question: What is the earliest recommended age to introduce piglets to creep feed?

Answer: At one week of age

Resource: Baby Pig Basics, ASWeb-069 Page: 3

HEALTH

Question # 3 Team A Contestant 2

Short Answer

Question: What is the best prevention measure in fighting Atrophic Rhinitis?

Answer: Proper management of the pig's environment.

Resource: Atrophic Rhinitis, L-2193 Page: 3-4

REPRODUCTION

Question # 4 Team B Contestant 2

Short Answer

Question: What is the average pig's estrous cycle?

Answer: 21 days

Resource: Artificial Insemination of Swine, L-5321 Page: 1

HEALTH

Question # 5 Team A Contestant 3

Short Answer

Question: Why do exhibitors keep their Gilt after a show?

Answer: To produce their own swine for next year's project

Resource: Keeping Show Gilts as Replacements, ASWeb 088 Page: 1

CARCASS QUALITY

Question # 6 Team B Contestant 3

Short Answer

Question: What are the "four lean cuts?"

Answer: Ham, loin, Boston butt, and picnic shoulder

Resource: From Pen to Plate: Carcass Composition of Market Hogs, ASWeb-087 Page: 1

GENERAL MANAGEMENT

Question # 7 Team A Contestant 4

Short Answer

Question: What is the first milk given from the mother called?

Answer: Colostrum

Resource: Baby Pig Basics, ASWeb-069 Page: 1

GENERAL MANAGEMENT

Question # 8 Team B Contestant 4

Short Answer

Question: At what age will the piglets own immune system function at full capacity?

Answer: 3 weeks of age

Resource: Baby Pig Basics, ASWeb-069 Page: 1

* * * * * **Toss-Up Questions** * * * * *

YOUTH PROJECTS

Question # 9

True/False

Question: It is ok to reuse bent needles if you clean the needle and straighten it back up.

Answer: False - You should never reuse a bent needle.

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 1

HEALTH

Question # 10

Short Answer

Question: Name one way that Erysipelas is spread in swine.

Answer: Through oral and nasal fluids and feces and can be carried by many healthy swine.

Resource: Vaccinations for Farrowing Operations, L2192 Page: 1

General

Question # 11

Short Answer

Question: What major four breed registries have adopted policies not to let any pigs found to be a stress carrier have a pedigree?

Answer: Yorkshire, Landrace, Duroc, and Hampshire

Resource: The Frequency of the Porcine Stress Gene in Texas Show Pigs, ASWeb-095 Page: 3

GENETICS & SELECTION

Question # 12

Multiple Choice

Question: The correct design for breeding hogs' in their hock joints, shoulder blades, and pasterns is:
a) straight or b) angular

Answer: a) Angular. Forelimb: Angulation to provide maximum cushion to stride, prefer sloping forearm, cannon bone, and pastern (sickle shape). Hind Limb: Prefer angulation to joins of stifle and hock, cushion to pastern.

Resource: Texas Cooperative Extension Breeding Swine Selection, ASWeb-117 6-00 Page: 1

HEALTH

Question # 13

Short Answer

Question: At what age should you begin to vaccinate gilts or boars for erysipelas?

Answer: 6 1/2 months or older

Resource: Vaccinations for Farrowing Operations, L2192 Page: 1

CARCASS QUALITY

Question # 14

Short Answer

Question: What is the minimum percent protein recommended for use when feeding Paylean?

Answer: 16%. A diet of at least 16% CP is recommended.

Resource: The Facts about Paylean™: Ractopamine for Swine, Sterle, ASWeb-093 Page: 1

CARCASS QUALITY

Question # 15 ** Bonus Question Attached **

Short Answer

Question: What is marbling?

Answer: The flecks of white fat that are present within a muscle. (Intramuscular fat)

Resource: Carcass Quality - Why is it important?, ASWeb-070 Page: 2

HEALTH

Question # BONUS QUESTION

Short Answer

Question: What is the best method for preventing economic loss from the Parvovirus disease?

Answer: To produce immunity in gilts before breeding by vaccination or exposure to manure.

Resource: Vaccinations for Farrowing Operations, L2192 Page: 2

HEALTH

Question # 16

Short Answer

Question: What does Erysipelas cause in swine?

Answer: Arthritis and death loss

Resource: Vaccinations for Farrowing Operations, L2192 Page: 1

HEALTH

Question # 17

Short Answer

Question: Name three causes of atrophic rhinitis.

Answer: Bacteria, viruses, chemicals, dust, pollen, temperature fluctuations, and other environmental irritants

Resource: Atrophic Rhinitis, L-2193 Page: 1

GENERAL MANAGEMENT

Question # 18

Short Answer

Question: What is the average weight of most baby pigs when they are first born?

Answer: 3.5 to 4.5 pounds

Resource: Baby Pig Basics, ASWeb-069 Page: 2

CARCASS QUALITY

Question # 19

Fill in the Blank

Question: If the show pig industry wants to improve its image and the quality of the product it is producing for the dinner plate, total _____ of the stress gene is necessary.

Answer: elimination

Resource: The Frequency of the Porcine Stress Gene in Texas Show Pigs, ASWeb-095 Page: 4

GENERAL MANAGEMENT

Question # 20

Fill in the Blank:

Question: Baby piglets are born virtually _____ immunologically.

Answer: Naked

Resource: Baby Pig Basics, ASWeb-069 Page: 1

FEEDS/FEEDING

Question # 21

Short Answer

Question: When will the largest response be seen when feeding Paylean?

Answer: During the first four weeks of feeding. (during the repartitioning phase)

Resource: The Facts about Paylean™: Ractopamine for Swine, Sterle, ASWeb-093 Page: 1

YOUTH PROJECTS

Question # 22 ** Bonus Question Attached **

Short Answer

Question: What gauge and length of needle is recommended to be used on breeding stock for an intramuscular injection?

Answer: 14 or 16 gauge and 1 to 1-1/2 inch in length

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 1

CARCASS QUALITY

Question # BONUS QUESTION

Short Answer

Question: What is a withdrawal time?

Answer: The amount of time that has been established by research for the drug to clear the animal's body, making the meat safe for human consumption.

Resource: Carcass Quality - Why is it important?, ASWeb-070 Page: 4

HEALTH

Question # 23

Short Answer

Question: The pneumonia bacterial agent present in virtually all herds is what?

Answer: Mycoplasma hypneumoniae

Resource: Swine Pneumonia, L-5203 Page: 1

CARCASS QUALITY

Question # 24

Short Answer

Question: When ear notching, the pig's left ear denotes what?

Answer: Identifies the pig number

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 29

YOUTH PROJECTS

Question # 25

Short Answer

Question: What does the term "hand feeding" mean?

Answer: Feeding a known amount of feed to each pig individually.

Resource: Texas 4-H Swine Project Guide, AS16-2 Page: 7

YOUTH LIVESTOCK JUDGING

Question # 26

Short Answer

Question: List four areas to evaluate for fat deposition when judging market swine.

Answer: The jowl, over the blades, behind the shoulder, along the loin edge, through the lower 1/3 of the body cavity, the flank, and the seam of the ham.

Resource: Evaluating Market Swine, ASWeb-039 Page: 3

GENERAL MANAGEMENT

Question # 27

Short Answer

Question: What is the percentage of post-farrowing deaths that occur within the first four days of life?

Answer: 65%

Resource: Baby Pig Basics, ASWeb-069 Page: 1

HEALTH

Question # 28

Short Answer

Question: Do pigs with Atrophic Rhinitis usually develop pneumonia?

Answer: No

Resource: Atrophic Rhinitis, L-2193 Page: 2

GENERAL MANAGEMENT

Question # 29

Short Answer

Question: Name two different types of flooring that can be used for hog facilities.

Answer: Dirt, sand, wood, or concrete

Resource: Texas 4-H Swine Project Guide, AS16-2 Page: 5 - 6

GENERAL MANAGEMENT

Question # 30

True/False

Question: You should clean and disinfect your pen and all equipment before you bring your pig home.

Answer: True. Clean/disinfect all feeders, show supplies, buckets, scales, housing, including walls, ceiling, floors, cracks, and crevices.

Resource: Texas Ag Extension Service, Starting Them Off Right!!, Sterle, ASWeb-075 Page: 1

Swine Quiz Bowl

Intermediate Questions

Set C

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CARCASS QUALITY

Question # 1 Team A Contestant 1

Short Answer

Question: What does the color of the lean do as an animal ages?

Answer: It darkens

Resource: Selecting the Perfect Chop (or Steak), ASWeb-092 Page: 1

CARCASS QUALITY

Question # 2 Team B Contestant 1

Fill in the Blank

Question: As an animal ages, the meat _____.

Answer: Toughens

Resource: Selecting the Perfect Chop (or Steak), ASWeb-092 Page: 1

YOUTH PROJECTS

Question # 3 Team A Contestant 2

Short Answer

Question: What is the recommended gauge of needle to use on a baby pig for an intramuscular injection?

Answer: 18 or 20 gauge

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 1

HEALTH

Question # 4 Team B Contestant 2

Short Answer

Question: If pigs are bought from separate farms it is recommended to keep these pigs isolated from one another for how many days?

Answer: 60 days

Resource: Diarrheal Disease in Show Swine, E-439 Page: 3

CARCASS QUALITY

Question # 5 Team B Contestant 2

Short Answer

Question: What are the two types of Animal Health Products?

Answer: Over The Counter Drugs (OTC) and Prescription Drugs (Rx)

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 36

CARCASS QUALITY

Question # 6 Team A Contestant 3

Short Answer

Question: What is the approximate dressing percentage of a hog?

Answer: 72%

Resource: From Pen to Plate: Carcass Composition of Market Hogs, ASWeb-087 Page: 1

GENERAL MANAGEMENT

Question # 7 Team A Contestant 4

Short Answer

Question: While the baby pigs like their environment warm, the sows do not. What temperature is ideal for the sow?

Answer: 65 degrees F

Resource: Baby Pig Basics, ASWeb-069 Page: 1

REPRODUCTION

Question # 8 Team B Contestant 4

Short Answer

Question: What is the visible portion of the female reproductive tract?

Answer: Vulva

Resource: Artificial Insemination of Swine, L-5321 Page: 2

* * * * * **Toss-Up Questions** * * * * *

GENERAL MANAGEMENT

Question # 9

Short Answer

Question: Why is it important to process the litter, including castration, shortly after birth?

Answer: The sooner these processes are completed, the easier it is on the overall stress and health of the piglet.

Resource: Baby Pig Basics, ASWeb-069 Page: 2

YOUTH

Question # 10

Short Answer

Question: How are drug residues usually tested in animals?

Answer: Urine test or blood test. Usually with urine tests or blood tests.

Resource: Quality Counts (pdf), CHE-1 Page: 65

HEALTH

Question # 11

Short Answer

Question: Typical symptoms of pneumonia are?

Answer: Coughing and thumping

Resource: Swine Pneumonia, L-5203 Page: 1

CARCASS QUALITY

Question # 12

Short Answer

Question: Define "Labeled Use"

Answer: Using the drug EXACTLY as it is specified on this label.

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 37

HEALTH

Question # 13

Short Answer

Question: Operations that produce show pigs or breeding stock fall into which two of the types of swine operations?

Answer: Either farrow-to-feeder-pig or farrow-to-finish

Resource: Porcine Reproductive and Respiratory Syndrome, L-5137 Page: 2

GENETICS & SELECTION

Question # 14 ** Bonus Question Attached **

Short Answer

Question: On average what is the decrease in weaning weight on litters from a positive stressed sow as compared to a negative sow.

Answer: 10% lighter

Resource: Elimination of the Porcine Stress Gene: What the Show Pig Industry Needs to Know, ASWeb-071 Page: 2

HEALTH

Question # BONUS QUESTION

Short Answer

Question: When a producer is using a drug extra label in the context of Vet-Client-Patient relationship, the producer using the prescription must agree to what?

Answer: Use the drug properly, identify treated swine, and adhere to recommended withdrawal times.

Resource: Swine Pneumonia, L-5203 Page: 4

GENERAL MANAGEMENT

Question # 15

Short Answer

Question: Stress from hauling, new penmates and new surroundings can result in what negative impact on your pig?

Answer: Compromised immune system, decreased feed intake, decreased weight gain

Resource: Texas Ag Extension Service, Starting Them Off Right!!, Sterle, ASWeb-075 Page: 2

YOUTH

Question # 16

Multiple Choice

Question: The primary goal of Quality Counts primary is: a) to help us place higher at shows, or b) help us supply animals safer for food

Answer: b) help us supply animals safer for food. The main objective of raising livestock is to produce high-quality food for human consumption.

Resource: Quality Counts (pdf), CHE-1 Page: 103

YOUTH LIVESTOCK JUDGING

Question # 17

Short Answer

Question: What shape is muscle?

Answer: It is bulging and roundish in shape

Resource: Evaluating Market Swine, ASWeb-039 Page: 1

HEALTH

Question # 18

Short Answer

Question: How long is it recommended to isolate any new breeding stock before allowing them into a PRRS-infected herd?

Answer: 60 days

Resource: Porcine Reproductive and Respiratory Syndrome, L-5137 Page: 3

CARCASS QUALITY

Question # 19

Yes/No

Question: Is "Extra Label" usage legal?

Answer: Yes

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 37

CARCASS QUALITY

Question # 20

Short Answer

Question: What are 3 possible causes of violative drug residue?

Answer: Feed additives not withdrawn at specified times; Medicated feed residues left in feeders; Improper injection techniques

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 6

YOUTH PROJECTS

Question # 21 ** Bonus Question Attached **

Short Answer

Question: What gauge needle should be used on a nursery pig for a subcutaneous injection?

Answer: 16 or 18

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 1

CARCASS QUALITY

Question # BONUS QUESTION

Short Answer

Question: What are the 4 major pork plants that already have "mandatory" PQA requirements for their pork?

Answer: Farmland, Hatfield, Hormel, and Swift

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 5

CARCASS QUALITY

Question # 22

Short Answer

Question: When looking at the live hog, we refer to the "top". What muscle is this on the pork carcass?

Answer: Loin

Resource: Carcass Quality - Why is it important?, ASWeb-070 Page: 2

HEALTH

Question # 23

Short Answer

Question: What does Parvovirus cause in swine?

Answer: Embryonic death, mummified pigs and temporary infertility.

Resource: Vaccinations for Farrowing Operations, L2192 Page: 2

CARCASS QUALITY

Question # 24

True/False

Question: "Off Label" usage is illegal.

Answer: True

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 37

GENERAL

Question # 25

Short Answer

Question: Where should Estrous detection be performed?

Answer: In a neutral pen

Resource: Keeping Show Gilts as Replacements, ASWeb 088 Page: 1

HEALTH

Question # 26

Fill in the Blank

Question: Pneumonia is an important disease of the _____ .

Answer: Lower respiratory tract.

Resource: Swine Pneumonia, L-5203 Page: 1

HEALTH

Question # 27

Short Answer

Question: How many doses of parvovirus vaccine should you give to boars and gilts before the first breeding?

Answer: Two doses, three to four weeks apart.

Resource: Vaccinations for Farrowing Operations, L2192 Page: 2

HEALTH

Question # 28

True/False

Question: Overfeeding protein can, in itself, cause loose stools or diarrhea.

Answer: True

Resource: Diarrheal Disease in Show Swine, E-439 Page: 1

HEALTH

Question # 29

True/False

Question: All lameness can be prevented.

Answer: False

Resource: Preventing Lameness in Show Pigs, ASWeb-086 Page: 1

YOUTH

Question # 30

Multiple Choice

Question: Which of these is NOT found on a medicine label? a) Route of administration, b) Dosage, c) Size of needle to use, c) Withdrawal time

Answer: c) Size of needle to use. The medicine label contains: route of administration, dosage, withdrawal times

Resource: Quality Counts (pdf), CHE-1 Page: 55

Swine Quiz Bowl

Intermediate Questions

Set D

Developed 01/2012

HEALTH

Question # 1 Team A Contestant 1

Short Answer

Question: Name the three basic types of swine operations.

Answer: 1. Farrow to feeder-pig, 2. Farrow to finish, 3. Feeder-pig finisher

Resource: Plan for Herd Health When Starting a Swine Operation, L-2369 Page: 3

CARCASS QUALITY

Question # 2 Team B Contestant 1

Short Answer

Question: Define Chemical hazards.

Answer: Residues left from antibiotics and medicated feeds.

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 14

YOUTH PROJECTS

Question # 3 Team A Contestant 2

Short Answer

Question: Where should you give an intramuscular injection to a pig?

Answer: In the neck just behind and below the ear.

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 1

GENERAL MANAGEMENT

Question # 4 Team B Contestant 3

Short Answer

Question: How many days is recommended to isolate incoming breeding swine before introducing them to the herd?

Answer: 60 days

Resource: Isolation Procedures for Farrowing Operations, L-2263 Page: 1

CARCASS QUALITY

Question # 5 Team A Contestant 3

Short Answer

Question: What does PSE stand for?

Answer: Pale, soft, and exudative

Resource: The Frequency of the Porcine Stress Gene in Texas Show Pigs, ASWeb-095 Page: 1

CARCASS QUALITY

Question # 6 Team B Contestant 3

Short Answer

Question: What is the active ingredient of Paylean?

Answer: Ractopamine. Elanco has come out with a ractopamine product called Paylean™.

Resource: The Facts about Paylean™: Ractopamine for Swine, Sterle, ASWeb-093 Page: 1

YOUTH PROJECTS

Question # 7 Team A Contestant 4

Short Answer

Question: When showing your pig, about how far do you want to keep your pig from the judge's viewing area?

Answer: About 10-15 feet

Resource: Texas 4-H Swine Project Guide, AS16-2 Page: 10

CARCASS QUALITY

Question # 8 Team B Contestant 4

Short Answer

Question: Does "holding" animals by restricting feed or water intake have a negative or positive effect on pork quality?

Answer: Negative. Lack of water can cause the muscle to lose shape and expression.

Resource: Carcass Quality - Why is it important?, ASWeb-070 Page: 4

* * * * * **Toss-Up Questions** * * * * *

YOUTH PROJECTS

Question # 9

True/False

Question: If you have recently given shots to a pig on both sides of his neck it is ok to give a shot in the loin.

Answer: False

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 1

REPRODUCTION

Question # 10

Short Answer

Question: Where is the site of fertilization in the swine female's reproductive tract?

Answer: Oviduct

Resource: Artificial Insemination of Swine, L-5321 Page: 2

GENERAL MANAGEMENT

Question # 11

Short Answer

Question: What is the current slaughter capacity in the U.S.?

Answer: About 444,925 head per day

Resource: Quick Facts, pork.org Page: 12

CARCASS QUALITY

Question # 12

Short Answer

Question: Define Microbial contamination.

Answer: The presence of pathogens such as E. coli or salmonella

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 14

GENETICS & SELECTION

Question # 13 ** Bonus Question Attached **

Short Answer

Question: What type of flooring is the hardest on pigs joints?

Answer: Cement

Resource: From the Ground Up: The Importance of Structural Soundness, ASWeb-096 Page: 1

HEALTH

Question # BONUS QUESTION

Short Answer

Question: How many different variations of PRRS exist?

Answer: At least 20

Resource: Porcine Reproductive and Respiratory Syndrome, L-5137 Page: 1

HEALTH

Question # 14

Short Answer

Question: If you purchase swine from a single source and those animals are healthy is there any need to take disease precautions before introducing those replacements into your herd? Why?

Answer: Yes, because they may have been exposed to disease during shipment.

Resource: Plan for Herd Health When Starting a Swine Operation, L-2369 Page: 1

CARCASS QUALITY

Question # 15

Short Answer

Question: What does FSIS stand for?

Answer: Food Safety and Inspection Service

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 20

HEALTH

Question # 16

Short Answer

Question: How is the PRRS virus spread?

Answer: By pig to pig contact

Resource: Porcine Reproductive and Respiratory Syndrome, L-5137 Page: 2

GENERAL MANAGEMENT

Question # 17

Short Answer

Question: Name one way to cool the sow off in the farrowing crate.

Answer: Dripping water between the sows shoulder blades at a slow rate.

Resource: Baby Pig Basics, ASWeb-069 Page: 1

HEALTH

Question # 18

True/False

Question: Infected swine urine with *Leptosprira* is a major source of infection for normal pigs.

Answer: True

Resource: Vaccinations for Farrowing Operations, L2192 Page: 2

GENERAL MANAGEMENT

Question # 19

Short Answer

Question: What producer program promotes animal well being and food safety?

Answer: PQA (Pork Quality Assurance)

Resource: Quick Facts, pork.org Page: 10

YOUTH

Question # 20

Short Answer

Question: Following drug labels, winning and losing with grace, and following show rules is which pillar of character?

Answer: Fairness. Uses only approved drugs, accepts winning or losing with grace, follows rules in the show ring.

Resource: Quality Counts (pdf), CHE-1 Page: 99

YOUTH PROJECTS

Question # 21

True/False

Question: Serious consequences, such as prison time, could result from misuse of medications.

Answer: True

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 2

HEALTH

Question # 22 ** Bonus Question Attached **

Short Answer

Question: After purchasing your show pigs and bringing them home, when should you vaccinate and deworm them?

Answer: Within one week of arrival and repeated one month later.

Resource: Texas 4-H Swine Project Guide, AS16-2 Page: 9

HEALTH

Question # BONUS QUESTION

Short Answer

Question: When should vaccination in pregnant sows for E. coli should be done?

Answer: Vaccination time should be done 4 to 7 weeks before farrowing and follow up with a booster 2 to 3 weeks before farrowing.

Resource: Vaccinations for Farrowing Operations, L2192 Page: 3

CARCASS QUALITY

Question # 23

Short Answer

Question: Is the muscle from the shoulder or the loin more tender?

Answer: Loin

Resource: Selecting the Perfect Chop (or Steak), ASWeb-092 Page: 1

YOUTH PROJECTS

Question # 24

Short Answer

Question: What is the method of administering drugs to an animal through the nose known as?

Answer: Intranasal

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety, ASWeb-090 Page: 2

CARCASS QUALITY

Question # 25

True/False

Question: It is not the producer's responsibility to do everything they can to provide a safe, wholesome product for the consumer. It is the consumer's problem.

Answer: False - It is the producers responsibility.

Resource: Preventing Drug Residues in Livestock, ASWeb-085 Page: 1

GENETICS & SELECTION

Question # 26

Fill in the Blank

Question: A desirable breeding animal's neck, rump, and body should be _____.

Answer: Long. Long necked, long bodied, long rumped.

Resource: Texas Cooperative Extension, Breeding Swine Selection, ASWeb-117 6-00 Page: 1

GENETICS & SELECTION

Question # 27

Short Answer

Question: What does EPD stand for?

Answer: Expected Progeny Differences

Resource: Understanding the Genetic and Environmental Interactions, ASWeb-094 Page: 1

CARCASS QUALITY

Question # 28

True/False

Question: The longer I feed Paylean, the more it will help develop muscle.

Answer: False. The largest response will be seen in the first four weeks of feeding, during the repartitioning phase. Therefore, you do not need to feed it long to get a response.

Resource: The Facts about Paylean™: Ractopamine for Swine, Sterle, ASWeb-093 Page: 1

CARCASS QUALITY

Question # 29

Short Answer

Question: List 3 reasons producers use animal health products on a farm.

Answer: Provide for the welfare of the animal; Treat disease or parasites; Prevent disease or parasites; Improve rate of gain; Improve feed efficiency; Minimize production costs

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 17

REPRODUCTION

Question # 30

True/False

Question: When inserting the spirette into the cervix for artificial insemination you should use a clockwise rotation.

Answer: False - Counterclockwise

Resource: Artificial Insemination of Swine, L-5321 Page: 3

Swine Quiz Bowl

Intermediate Questions

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HEALTH

Question # 1 Team A Contestant 1

Short Answer

Question: Name one parasite that may cause pneumonia.

Answer: roundworms or lungworms

Resource: Swine Pneumonia - L-5203 Page: 3

HEALTH

Question # 2 Team B Contestant 1

Short Answer

Question: Young pigs that survive PRRS infection are very contagious to other pigs for how long?

Answer: 4 to 5 weeks

Resource: Porcine Reproductive and Respiratory Syndrome - L-5137 Page: 2

GENERAL MANAGEMENT

Question # 3 Team A Contestant 2

Short Answer

Question: If a sow has been kept outside, it is a good idea to treat them for external parasites about how many weeks prior to farrowing?

Answer: About two weeks prior to farrowing

Resource: Baby Pig Basics - ASWeb-069 Page: 2

YOUTH PROJECTS

Question # 4 Team B Contestant 2

Short Answer

Question: What is the best known way to prevent or avoid lameness in show pigs?

Answer: Make sure you buy a structurally sound pig when you purchase your show project.

Resource: Preventing Lameness in Show Pigs - ASWeb-086 Page: 1

GENERAL MANAGEMENT

Question # 5 Team A Contestant 3

True/False

Question: When buying replacement animals it is a good idea to buy from one or as few "clean" sources as possible.

Answer: True

Resource: Isolation Procedures for Farrowing Operations - L-2263 Page: 3

HEALTH

Question # 6 Team B Contestant 3

Short Answer

Question: Name a type of bedding that could be used to keep the pigs warm and should keep them cleaner.

Answer: Straw, sand, or shavings

Resource: Texas 4-H Swine Project Guide AS16-2 Page: 5

HEALTH

Question # 7 Team A Contestant 4

Short Answer

Question: An extra-label drug is what?

Answer: A drug approved for use in an other animal species but not in swine.

Resource: Swine Pneumonia - L-5203 Page: 4

GENERAL MANAGEMENT

Question # 8 Team B Contestant 4

Short Answer

Question: What is the recommended age limit in days to foster a piglet to another sow?

Answer: Up to three days

Resource: Baby Pig Basics - ASWeb-069 Page: 2

* * * * * **Toss-Up Questions** * * * * *

GENERAL MANAGEMENT

Question # 9

True/False

Question: Vaccinating your pig with a booster shot can help reduce the risk of disease.

Answer: True. Extension vet recommends vaccinating all pigs ...

Resource: Texas Ag Extension Service-Starting Them Off Right!! Sterle ASWeb-075 Page: 2

GENETICS & SELECTION

Question # 10

True/False

Question: Toe size is NOT important in breeding swine selection.

Answer: FALSE. Toe Size: Prefer even toe size, large toe size, even weight distribution.

- Uneven toe size, generally smaller inside toe, because this results in abnormal wear on outside toe, exposing pad and causing lameness.

Resource: Texas Cooperative Extension Breeding Swine Selection ASWeb-117 6-00 Page: 1

HEALTH

Question # 11

Short Answer

Question: How long can whipworm eggs remain viable in contaminated premises?

Answer: As long as 6 years

Resource: Diarrheal Disease in Show Swine - E-439 Page: 1

GENETICS & SELECTION

Question # 12

Short Answer

Question: Why is structural correctness important in breeding swine selection?

Answer: because of confinement production systems

Resource: Texas Cooperative Extension Breeding Swine Selection ASWeb-117 6-00 Page: 1

HEALTH

Question # 13

Short Answer

Question: How long are finisher hogs and breeding stock highly contagious to other pigs after surviving PRRS?

Answer: 2-3 weeks

Resource: Porcine Reproductive and Respiratory Syndrome - L-5137 Page: 1

GENERAL MANAGEMENT

Question # 14

Short Answer

Question: What country produces and consumes the most pork?

Answer: CHINA

Resource: Quick Facts - pork.org Page: 15

YOUTH PROJECTS

Question # 15 ** Bonus Question Attached **

Short Answer

Question: What is an intramuscular injection?

Answer: An injection in the muscle, given in the neck.

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety - ASWeb-090 Page: 2

CARCASS QUALITY

Question # BONUS QUESTION

Short Answer

Question: Name the three government agencies that regulate meat production.

Answer: FDA; EPA; FSIS

Resource: Youth Program Pork Quality Assurance ASWeb-074 Page: 20

CARCASS QUALITY

Question # 16

Short Answer

Question: To maximize juiciness when cooking pork, would you prefer more or less marbling?

Answer: More marbling. The more marbling a muscle has, the more flavorful and juicy it is when cooked.

Resource: Carcass Quality - Why is it important? ASWeb-070 Page: 2

CARCASS QUALITY

Question # 17

Short Answer

Question: Which of these is closest to today's average backfat on hogs? 2.8 inches 1.5 inches .75 inches

Answer: .75 INCHES. Hogs in the 1950's averaged about 2.8 inches when fat was in demand for munitions.

Resource: Quick Facts - pork.org Page: 49

HEALTH

Question # 18

Short Answer

Question: What is the recommended time period to take show pigs off all medication (even 0 day withdrawal period) how many hours before the show?

Answer: At least 24 hours

Resource: Diarrheal Disease in Show Swine - E-439 Page: 4

HEALTH

Question # 19

Short Answer

Question: The most common viral cause of pneumonia is ?

Answer: PRRS

Resource: Swine Pneumonia - L-5203 Page: 2

HEALTH

Question # 20

Short Answer

Question: Is it possible to get PRRS-virus-negative pigs from PRRS-virus-positive sows? How?

Answer: Yes, by waiting until the outbreak is over, then early-weaning and rearing the pigs off-site.

Resource: Porcine Reproductive and Respiratory Syndrome - L-5137 Page: 3

GENERAL

Question # 21

True/False

Question: Breeding shows are terminal shows.

Answer: False

Resource: Plan for Herd Health When Starting a Swine Operation - L-2369 Page: 2

HEALTH

Question # 22

Short Answer

Question: A common symptom of Swine Influenza Virus is

Answer: explosive coughing outbreaks

Resource: Swine Pneumonia - L-5203 Page: 2

GENETICS & SELECTION

Question # 23 ** Bonus Question Attached **

Short Answer

Question: What is the minimum number of teats preferred PER SIDE for breeding gilts?

Answer: 6. 6 PER SIDE. At least 12 evenly spaced teats

Resource: Texas Cooperative Extension Breeding Swine Selection ASWeb-117 6-00 Page: 2

CARCASS QUALITY

Question # BONUS QUESTION

Short Answer

Question: What are the 3 types of drug use?

Answer: Labeled Use; Off Label; Extra Label

Resource: Youth Program Pork Quality Assurance ASWeb-074 Page: 37

HEALTH

Question # 24

Short Answer

Question: If you use a killed vaccine or bacterin to vaccinate for Erysipelas in swine when should you give a booster injection?

Answer: 3 to 4 weeks later

Resource: Vaccinations for Farrowing Operations - L2192 Page: 1

HEALTH

Question # 25

Short Answer

Question: Can Atrophic Rhinitis be eliminated or prevented entirely in a commercial herd and why?

Answer: No, because it is neither cost-effective nor realistic.

Resource: Atrophic Rhinitis - L-2193 Page: 3

CARCASS QUALITY

Question # 26

Short Answer

Question: Define "Off Label"

Answer: The PRODUCER uses drugs on their own in a manner other than what is stated on the label without veterinarian guidance.

Resource: Youth Program Pork Quality Assurance ASWeb-074 Page: 37

GENETICS & SELECTION

Question # 27

Short Answer

Question: What is the major goal of raising show pigs?

Answer: Achieving maximum lean growth with minimal fat deposition.

Resource: Understanding the Genetic and Environmental Interactions ASWeb-094 Page: 1

HEALTH

Question # 28

Short Answer

Question: One vaccination program will not fit all farrowing operations. So who should a breeder use to recommend a vaccination program for their operation?

Answer: Veterinarian

Resource: Vaccinations for Farrowing Operations - L2192 Page: 3

GENERAL MANAGEMENT

Question # 29

True/False

Question: Sows that are too hot tend to produce more milk.

Answer: False- Sows that are too hot tend to produce less milk

Resource: Baby Pig Basics - ASWeb-069 Page: 1

YOUTH

Question # 30

Fill in the Blank

Question: Intramuscular injections should be given in the _____.

Answer: NECK MUSCLE. Intramuscular (in the muscle) injections should be given in the neck muscle.

Resource: Quality Counts (pdf) - CHE-1 Page: 55

Swine Quiz Bowl

Intermediate Questions

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HEALTH

Question # 1 Team A Contestant 1

Short Answer

Question: What is the only way that feeder pigs will have been tested for any disease before purchased?

Answer: If the originated from out-of-state.

Resource: Porcine Reproductive and Respiratory Syndrome - L-5137 Page: 2

GENETICS & SELECTION

Question # 2 Team B Contestant 1

Short Answer

Question: The vulva is related to reproduction or muscling?

Answer: Reproduction. Reproductive traits: Vulvas: normal size. Not "upturned" or infantile. could signify small, underdeveloped reproductive tract or infertility.

Resource: Texas Cooperative Extension Breeding Swine Selection ASWeb-117 6-00 Page: 2

CARCASS QUALITY

Question # 3 Team A Contestant 2

Short Answer

Question: Where should an intramuscular injection be given?

Answer: In the muscle in the neck (just behind and below the ear). Never the loin or ham.

Resource: Carcass Quality - Why is it important? ASWeb-070 Page: 10

HEALTH

Question # 4 Team B Contestant 2

Short Answer

Question: What is the most essential of all nutrients in a pig's diet?

Answer: Water

Resource: Texas 4-H Swine Project Guide AS16-2 Page: 7

CARCASS QUALITY

Question # 5 Team A Contestant 3

Short Answer

Question: What is marbling?

Answer: Intramuscular fat- the flecks within a muscle.

Resource: Selecting the Perfect Chop (or Steak) - ASWeb-092 Page: 1

YOUTH PROJECTS

Question # 6 Team B Contestant 3

Short Answer

Question: Where do you give a subcutaneous injection to market swine?

Answer: Under the skin in the elbow or the flank.

Resource: Providing a Safe, Wholesome Product: Administration of Medications to Ensure Pork Quality/Safety - ASWeb-090 Page: 1

HEALTH

Question # 7 Team A Contestant 4

Short Answer

Question: The major source of the PRRS virus transmission to non-infected pigs is

Answer: The live pig that is infected

Resource: Porcine Reproductive and Respiratory Syndrome - L-5137 Page: 2

GENERAL

Question # 8 Team B Contestant 4

Short Answer

Question: When are gilts and sows usually bred?

Answer: When they are in standing heat

Resource: Keeping Show Gilts as Replacements - ASWeb 088 Page: 1

*** * * * * Toss-Up Questions * * * * ***

GENETICS & SELECTION

Question # 9

Short Answer

Question: What is the minimum number of teats preferred PER SIDE for breeding gilts?

Answer: Six. Six per side. At least 12 evenly spaced teats

Resource: Texas Cooperative Extension Breeding Swine Selection ASWeb-117 6-00 Page: 2

HEALTH

Question # 10

Short Answer

Question: If you use a killed vaccine or bacterin to vaccinate for Erysipelas in swine when should you give a booster injection?

Answer: 3 to 4 weeks later

Resource: Vaccinations for Farrowing Operations - L2192 Page: 1

HEALTH

Question # 11

Short Answer

Question: Can Atrophic Rhinitis be eliminated or prevented entirely in a commercial herd and why?

Answer: No, because it is neither cost-effective nor realistic.

Resource: Atrophic Rhinitis - L-2193 Page: 3

CARCASS QUALITY

Question # 12

Short Answer

Question: Define "Off Label"

Answer: The PRODUCER uses drugs on their own in a manner other than what is stated on the label without veterinarian guidance.

Resource: Youth Program Pork Quality Assurance ASWeb-074 Page: 37

GENETICS & SELECTION

Question # 13

Short Answer

Question: What is the major goal of raising show pigs?

Answer: Achieving maximum lean growth with minimal fat deposition.

Resource: Understanding the Genetic and Environmental Interactions ASWeb-094 Page: 1

HEALTH

Question # 14

Short Answer

Question: One vaccination program will not fit all farrowing operations. So who should a breeder use to recommend a vaccination program for their operation?

Answer: Veterinarian

Resource: Vaccinations for Farrowing Operations - L2192 Page: 3

GENERAL MANAGEMENT

Question # 15

True/False

Question: Sows that are too hot tend to produce more milk.

Answer: False - Sows that are too hot tend to produce less milk

Resource: Baby Pig Basics - ASWeb-069 Page: 1

YOUTH

Question # 16 ** Bonus Question Attached **

Fill in the Blank

Question: Intramuscular injections should be given in the _____.

Answer: Neck muscle. Intramuscular (in the muscle) injections should be given in the neck muscle.

Resource: Quality Counts (pdf) - CHE-1 Page: 55

FEEDS/FEEDING

Question # BONUS QUESTION

Short Answer

Question: What level of Paylean is approved is swine and what is the weight range of those swine?

Answer: 18 grams per ton for pigs from 150 to 240 pounds.

Resource: The Facts about Paylean™: Ractopamine for Swine, Sterle. ASWeb-093 Page: 1

GENERAL MANAGEMENT

Question # 17

Short Answer

Question: How often is recommended to weigh your show pig?

Answer: Once a week, at the same time of day on the same day of the week

Resource: Texas 4-H Swine Project Guide AS16-2 Page: 6

CARCASS QUALITY

Question # 18

True/False

Question: It is legal for me to feed Paylean to my show lamb.

Answer: False. It is only labeled for swine at this time, not steers or lambs.

Resource: The Facts about Paylean™: Ractopamine for Swine, Sterle. ASWeb-093 Page: 1

CARCASS QUALITY

Question # 19

Short Answer

Question: Define Physical hazards.

Answer: Broken needles, metal, or other foreign objects in the meat.

Resource: Youth Program Pork Quality Assurance ASWeb-074 Page: 14

GENERAL

Question # 20

Short Answer

Question: What are some signs of estrus?

Answer: Swollen, red vulva; mucus from the vulva; standing to be mounted; "popping" ears; increased vocalization; increased activity and mounting other females

Resource: Keeping Show Gilts as Replacements - ASWeb 088 Page: 1

YOUTH PROJECTS

Question # 21

Short Answer

Question: At what age are most market swine exhibited?

Answer: 6 months of age

Resource: Texas 4-H Swine Project Guide AS16-2 Page: 4

HEALTH

Question # 22

Short Answer

Question: What is the most common infection of joints?

Answer: Mycoplasma

Resource: Preventing Lameness in Show Pigs - ASWeb-086 Page: 1

GENETICS & SELECTION

Question # 23

Short Answer

Question: Describe how an animal that is straight off both the front and rear legs will walk.

Answer: The animal will take small, exaggerated steps and often walk up on its toes.

Resource: From the Ground Up: The Importance of Structural Soundness - ASWeb-096 Page: 1

GENERAL MANAGEMENT

Question # 24 ** Bonus Question Attached **

Short Answer

Question: Why is it important to inject baby pigs with an iron supplement?

Answer: Baby pigs are born with a limited supply of iron in their livers and they must be supplemented to prevent anemia.

Resource: Baby Pig Basics - ASWeb-069 Page: 3

GENERAL MANAGEMENT

Question # BONUS QUESTION

Short Answer

Question: What bacteria is most commonly the cause of joint infections?

Answer: MYCOPLASMA. The most common infection of joints is mycoplasma.

Resource: Preventing Lameness in Show Pigs - ASWeb-086 Page: 1

CARCASS QUALITY

Question # 25

Short Answer

Question: What part of the pork carcass produces the bacon?

Answer: Belly

Resource: From Pen to Plate: Carcass Composition of Market Hogs ASWeb-087 Page: 1

HEALTH

Question # 26

True/False

Question: Parvovirus disease mainly occurs in non-pregnant gilts and boar hogs?

Answer: False: Parvovirus disease mainly occurs in pregnant gilts and first-litter sows infected between breeding and 65-70 days of gestation.

Resource: Vaccinations for Farrowing Operations - L2192 Page: 2

YOUTH LIVESTOCK JUDGING

Question # 27

Short Answer

Question: What are the five Basic areas that market swine are placed on?

Answer: Muscle, leanness, growth, volume and structural soundness

Resource: Evaluating Market Swine - ASWeb-039 Page: 1

GENETICS & SELECTION

Question # 28

True/False

Question: With the improvement of genetics in producing more muscling in swine we still need to use animals with the stress gene.

Answer: False- With the improvement of genetics there is no need to use animals with the stress gene.

Resource: Elimination of the Porcine Stress Gene: What the Show Pig Industry Needs to Know - ASWeb-071 Page: 2

REPRODUCTION

Question # 29

Short Answer

Question: How long on average must sperm be present in the female reproductive tract to undergo biological changes necessary for fertilization?

Answer: 2 to 3 hours

Resource: Artificial Insemination of Swine - L-5321 Page: 2

HEALTH

Question # 30

Short Answer

Question: How often should a boar receive a vaccination for Erysipelas?

Answer: Every six months

Resource: Vaccinations for Farrowing Operations - L2192 Page: 1