

Swine Quiz Bowl

Senior Questions

Set A

Developed 01/2012

GENERAL MANAGEMENT

Question # 1 Team A Contestant 1

Short Answer

Question: Most creep feeds for pigs contain what percent of crude protein?

Answer: 15-20% crude protein

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

HEALTH

Question # 2 Team B Contestant 1

Short Answer

Question: If a pig is growing well but has chronically loose stool what should you change in his diet?

Answer: Reduce the protein and increase the fiber.

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

CARCASS QUALITY

Question # 3 Team A Contestant 2

Short Answer

Question: List two methods that will help you prevent errors and drug residues in medicating swine.

Answer: Read the label and keep complete and accurate records of medication use.

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

GENETICS & SELECTION

Question # 4 Team B Contestant 2

Short Answer

Question: What is an animal known as that inherits a copy of the stress gene from both parents?

Answer: "nn"

Resource: Elimination of the Porcine Stress Gene: What the Show Pig Industry Needs to Know - ASWeb-071 Page: 1

GENETICS & SELECTION

Question # 5 Team A Contestant 3

Short Answer

Question: What is the foremost condition that can put stress on the feet and legs of an animal?

Answer: Flooring

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

HEALTH

Question # 6 Team B Contestant 3

Short Answer

Question: What is the nutrient that gives the hog energy and should make up the majority of the diet?

Answer: Carbohydrates

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

CARCASS QUALITY

Question # 7 Team A Contestant 4

Short Answer

Question: What makes pork tender and juicy during cooking?

Answer: Marbling or fat

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

GENETICS & SELECTION

Question # 8 Team B Contestant 4

Short Answer

Question: At least how many hours do packing plants try to let animals rest after arrival at the plant before slaughter.

Answer: At least two hours

Resource: Elimination of the Porcine Stress Gene: What the Show Pig Industry Needs to Know - ASWeb-071 Page: 1

* * * * * **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

HEALTH

Question # 10

Short Answer

Question: What was the first bacterium discovered to cause Atrophic Rhinitis?

Answer: Bordetella Bronchioseptica

Resource: Atrophic Rhinitis - L-2193 Page: 1

HEALTH

Question # 11

Short Answer

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

Answer: Mycoplasma hypneumoniae

Resource: Swine Pneumonia - L-5203 Page: 1

GENERAL MANAGEMENT

Question # 12

Short Answer

Question: List three undesirable characteristics of a sow's udder.

Answer: Blunt nipples, pin nipples, mastitis, and sores caused by needle teeth.

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

GENERAL MANAGEMENT

Question # 13 ** Bonus Question Attached **

True/False

Question: The most widely consumed meat in the world is chicken.

Answer: FALSE. pork is the most widely eaten meat

Resource: Quick Facts - pork.org Page: 15

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

GENERAL MANAGEMENT

Question # 14

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

CARCASS QUALITY

Question # 15

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 # 16

True/False

Question: Paylean can make an average pig a great one.

Answer: False. There is no magic pill that will make an average animal into an ideal animal.

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

GENETICS & SELECTION

Question # 17

Short Answer

Question: What is a pig known as that receives a single copy of stress gene from one parent referred to as.

Answer: A carrier or "Nn"

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

HEALTH

Question # 18

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

YOUTH PROJECTS

Question # 19

Short Answer

Question: What are two management practices that can greatly assist producers (including youth exhibitors) to produce a safe, wholesome product?

Answer: Correct injection techniques and observation of withdrawal times.

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

HEALTH

Question # 20

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

HEALTH

Question # 21

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

YOUTH LIVESTOCK JUDGING

Question # 22 ** Bonus Question Attached **

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 # BONUS QUESTION

Short Answer

Question: Why is there a withdrawal time listed on animal health products?

Answer: To make sure the drug administered to the animal is safely clear from its system prior to slaughter.

Resource: Elimination of the Porcine Stress Gene: What the Show Pig Industry Needs to Know- ASWeb-071 Page: 1

YOUTH

Question # 23

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

CARCASS QUALITY

Question # 24

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

CARCASS QUALITY

Question # 25

Short Answer

Question: What does HACCP stand for? (pronounced "Ha-sip")

Answer: Hazard Analysis and Critical Control Points

Resource: Youth Program Pork Quality Assurance ASWeb-074 Page: 13

REPRODUCTION

Question # 26

Short Answer

Question: What is a catheter?

Answer: A catheter is a foam tipped insemination rod.

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

HEALTH

Question # 27

True/False

Question: A poor health management plan can easily be fixed using antibiotics.

Answer: False

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

REPRODUCTION

Question # 28

True/False

Question: The female reproductive system is more conducive to AI than that of cattle or sheep.

Answer: True

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

HEALTH

Question # 29

Short Answer

Question: What is the incubation period for TGE disease in swine?

Answer: 18 to 36 hours

Resource: Diarrheal Disease in Show Swine - E-439 Page: 2

YOUTH PROJECTS

Question # 30

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

Swine Quiz Bowl

Senior Questions

Set B

Developed 01/2012

HEALTH

Question # 1 Team A Contestant 1

Short Answer

Question: In the early 1990's this disease was known as the Mystery Swine Disease.

Answer: PRRS

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

YOUTH PROJECTS

Question # 2 Team B Contestant 1

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

GENERAL MANAGEMENT

Question # 3 Team A Contestant 2

Short Answer

Question: What country produces and consumes the most pork?

Answer: China

Resource: Quick Facts, pork.org Page: 15

FEEDS/FEEDING

Question # 4 Team B Contestant 2

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 # 5 Team A Contestant 3

Short Answer

Question: After fertilization where does the embryo migrate to?

Answer: Into the uterus

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

CARCASS QUALITY

Question # 6 Team B Contestant 3

Fill in the Blank

Question: The regulatory agency responsible for determining tissue tolerance for most animal health products is the _____.

Answer: FDA

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 26

REPRODUCTION

Question # 7 Team A Contestant 4

Short Answer

Question: When should gilts be inseminated after the detection of estrus?

Answer: 12 hours

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

REPRODUCTION

Question # 8 Team B Contestant 4

Short Answer

Question: In days what is the range of a pig's estrous cycle?

Answer: 17 to 25 days

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

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

HEALTH

Question # 9

Fill in the Blank

Question: Atrophic Rhinitis is an inflammation of _____

Answer: The upper respiratory tract.

Resource: Atrophic Rhinitis, L-2193 Page: 1

GENERAL MANAGEMENT

Question # 10

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

HEALTH

Question # 11

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

CARCASS QUALITY

Question # 12

Short Answer

Question: Name the 8 things you should write down each time you treat an animal.

Answer: 1. Date treated 2. Animal or Pen ID 3. Product Used for treatment
4. Amount given 5. Route of administration 6. Who gave the drug 7. Withdrawal time
8. Date withdrawal time is complete

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 31

GENERAL MANAGEMENT

Question # 13 ** Bonus Question Attached **

True/False

Question: You must pull a blood different blood sample for each disease to be tested in swine.

Answer: False - All tests for major diseases can be done in a single blood sample.

Resource: Isolation Procedures for Farrowing Operations, L-2263 Page: 2

CARCASS QUALITY

Question # BONUS QUESTION

Short Answer

Question: Name the 6 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

GENETICS & SELECTION

Question # 14

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

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

CARCASS QUALITY

Question # 16

True/False

Question: A higher dressing percentage is more desirable than a lower dressing percentage.

Answer: True

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

REPRODUCTION

Question # 17

Short Answer

Question: In a female swine's reproductive tract the cervix consists of multiple rings and ridges that act as a barrier to prevent what?

Answer: To prevent bacteria, dirt, and other foreign material from entering the uterus.

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

REPRODUCTION

Question # 18

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 # 19

Short Answer

Question: Name one parasite that may cause pneumonia.

Answer: Roundworms or lungworms

Resource: Swine Pneumonia, L-5203 Page: 3

CARCASS QUALITY

Question # 20 ** Bonus Question Attached **

Short Answer

Question: List two factors that may effect carcass meat quality.

Answer: Stress, improper handling, presence of the pork stress gene, and other genetic factors

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

GENERAL MANAGEMENT

Question # BONUS QUESTION

Short Answer

Question: Describe the order of where and how fat is typically deposited on a pig.

Answer: Generally, from front to back. First, in the jowl (chin) area, in the shoulder area, down the top loin edges, the lower third of the body (underline), the seam of the ham, and finally the ponies (around the tailhead).

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

CARCASS QUALITY

Question # 21

Yes/No

Question: Is "Extra Label" usage legal?

Answer: Yes

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

GENETICS & SELECTION

Question # 22

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

HEALTH

Question # 23

Short Answer

Question: What is PRRS?

Answer: Porcine Reproductive and Respiratory Syndrome. This disease causes pneumonia and death or become a chronic disease that causes a pig to gain weight more slowly or stop growing.

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

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

CARCASS QUALITY

Question # 25

Short Answer

Question: What is PSE?

Answer: Pale, Soft, and Exudative pork. It is undesirable in the pork industry because it "leaks" water making it dry and tough after cooking.

Resource: Carcass Quality - Why is it important?, ASWeb-070 Page: 2-3

HEALTH

Question # 26

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 # 27

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

YOUTH

Question # 28

True/False

Question: Checking your animal every few days for sickness works fine.

Answer: False. You should check your animals every day for signs of injury or illness.

Resource: Quality Counts (pdf), CHE-1 Page: 71

HEALTH

Question # 29

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

HEALTH

Question # 30

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

Swine Quiz Bowl

Senior Questions

Set C

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HEALTH

Question # 1 Team A Contestant 1

Short Answer

Question: For the best natural immunity in gilts how long should you delay breeding in months.

Answer: 7 1/2 to 8 months

Resource: Vaccinations for Farrowing Operations, L2192 Page: 2

CARCASS QUALITY

Question # 2 Team B Contestant 1

Short Answer

Question: What does long term stress on animals lead to as far as carcass defects?

Answer: DFD (Dark, firm and dry)

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

CARCASS QUALITY

Question # 3 Team A Contestant 2

Short Answer

Question: List the main consequence of misuse of animal health products.

Answer: Residues of medication in the meat

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

CARCASS QUALITY

Question # 4 Team B Contestant 2

Short Answer

Question: Who has to approve extra label use of any medication given to livestock?

Answer: A veterinarian

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

YOUTH PROJECTS

Question # 5 Team A Contestant 3

Short Answer

Question: What does NPPC stand for?

Answer: National Pork Producers Council

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

YOUTH LIVESTOCK JUDGING

Question # 6 Team B Contestant 3

Short Answer

Question: What is the one thing that bad structure in market hogs can affect?

Answer: The ability to gain and grow effectively

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

GENERAL MANAGEMENT

Question # 7 Team A Contestant 4

Short Answer

Question: How does the piglet receive passive immunity from the mother during the first few hours after birth?

Answer: From colostrum

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

HEALTH

Question # 8 Team B Contestant 4

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

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

CARCASS QUALITY

Question # 9

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

HEALTH

Question # 10

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

REPRODUCTION

Question # 11

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

GENERAL MANAGEMENT

Question # 12

Short Answer

Question: Where is the first place you're most likely to notice fat deposits on your pig?

Answer: In the jowl (chin) area.

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

YOUTH

Question # 13

Multiple Choice

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

Answer: b). main objective of raising livestock is to produce high-quality food for human consumption.

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

GENERAL MANAGEMENT

Question # 14

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

HEALTH

Question # 15

Short Answer

Question: The virus that causes PRRS was first isolated in which country in 1991?

Answer: The Netherlands

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

GENERAL MANAGEMENT

Question # 16

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 # 17 ** 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 does the term "dressing percentage" mean?

Answer: The percentage of the carcass that is remaining after the viscera (intestines), organs, blood, hair, and head are removed. (It is calculated by dividing hot carcass weight by live weight and multiplying by 100.)

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

CARCASS QUALITY

Question # 18

Short Answer

Question: List the 4 of the 7 steps of the HACCP program.

Answer: 1. Identify hazards 2. Find critical points in the process 3. Establish critical limits for each critical control point 4. Monitor 5. Take corrective action if monitoring shows deviations outside the limits of the critical control point 6. Keep records on each critical control point 7. Verify that the HACCP plan is working correctly.

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 15

GENERAL MANAGEMENT

Question # 19

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

REPRODUCTION

Question # 20

Short Answer

Question: What is the most important sign to watch for when Artificially Inseminating swine?

Answer: The detection of Estrous

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

GENERAL MANAGEMENT

Question # 21

Short Answer

Question: Name three practices that help create an ideal farrowing area for baby piglets.

Answer: Proper disinfection of the farrowing area, thorough rinsing, prevention of drafts and creating a microenvironment for piglets that is around 90-95 degree F.

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

HEALTH

Question # 22

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

YOUTH

Question # 23

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, d) withdrawal,

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

HEALTH

Question # 24

True/False

Question: Mecodox is a feed medication used to prevent swine dysentery and has a very short withdrawal time.

Answer: False - Very long withdrawal time

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

REPRODUCTION

Question # 25

Short Answer

Question: What is ovulation in sow?

Answer: The release of the egg from the follicle on the ovary.

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

GENERAL MANAGEMENT

Question # 26

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

HEALTH

Question # 27

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

CARCASS QUALITY

Question # 28 ** Bonus Question Attached **

Short Answer

Question: What are the "four lean cuts?"

Answer: ham, loin, Boston butt, picnic shoulder

Resource: From Pen to Plate: Carcass Composition of Market Hogs, ASWeb-087 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 # 29

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 # 30

Short Answer

Question: Name the three cuts of the swine carcass that are used for locomotion?

Answer: Boston Butt, picnic shoulder and ham

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

Swine Quiz Bowl

Senior Questions

Set D

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HEALTH

Question # 1 Team A Contestant 1

Short Answer

Question: Hogs that are sick from any disease including pneumonia usually are doing what as compared to the rest of the group of hogs they are in?

Answer: Lie down instead of being up and moving alertly.

Resource: Swine Pneumonia, L-5203 Page: 3

GENERAL MANAGEMENT

Question # 2 Team B Contestant 1

Short Answer

Question: Lameness is very common in show pigs. List 3 causes of this lameness.

Answer: Skeletal structure, flooring, injury, bacterial infection, and ostoechondrosis.

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

CARCASS QUALITY

Question # 3 Team A Contestant 2

Short Answer

Question: What are three methods of moist heat cooking?

Answer: Braising, stewing, poaching and steaming

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

CARCASS QUALITY

Question # 4 Team B Contestant 2

Short Answer

Question: What is the ideal color of fresh pork?

Answer: Reddish pink (Some resources may say "grayish pink". The From Pen to Plate resources states grayish pink.)

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

HEALTH

Question # 5 Team A Contestant 3

Short Answer

Question: Name three symptoms associated with Atrophic Rhinitis

Answer: Sneezing, crooked snout, bleeding snout, and tear stained face

Resource: Atrophic Rhinitis, L-2193 Page: 1

YOUTH PROJECTS

Question # 6 Team B Contestant 3

Short Answer

Question: What disease in show pigs usually affects the cartilage within the joints and is usually diagnosed with the help of X-rays?

Answer: Osteochondrosis

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

GENERAL MANAGEMENT

Question # 7 Team A Contestant 4

Short Answer

Question: What is the main reason to isolate new breeding swine?

Answer: To prevent the herd from being exposed to a new disease causing organisms.

Resource: Isolation Procedures for Farrowing Operations, L-2263 Page: 2

GENERAL MANAGEMENT

Question # 8 Team B Contestant 4

Short Answer

Question: What is soundness?

Answer: An animal's ability to walk smoothly with body weight evenly supported on the feet and legs

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

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

CARCASS QUALITY

Question # 9

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

YOUTH PROJECTS

Question # 10

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 # 11

Short Answer

Question: List two medications included in a swine ration to prevent swine dysentery.

Answer: Lincomix, Denagard, or Mecadox

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

CARCASS QUALITY

Question # 12

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

HEALTH

Question # 13 ** Bonus Question Attached **

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

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

REPRODUCTION

Question # 14

True/False

Question: It is critical to mate the female within a few hours before ovulation.

Answer: True

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

HEALTH

Question # 15

Short Answer

Question: If a swine herd is vaccinated for Atrophic Rhinitis and the herd's environment is not properly maintained will the vaccination program be effective? Why?

Answer: No, because with an uncorrected environment the irritants that caused the Rhinitis problem are still present. Proper environmental management often gives as good a response as vaccination programs.

Resource: Atrophic Rhinitis, L-2193 Page: 3

GENETICS & SELECTION

Question # 16

Short Answer

Question: List some of the symptoms that a swine with "nn" a copy of the stress gene from both parents might exhibit.

Answer: Extreme nervousness and excitability (including tail twitching when in a stressed situation), and inferior meat

Resource: Elimination of the Porcine Stress Gene: What the Show Pig Industry Needs to Know, ASWeb-071 Page: 1

HEALTH

Question # 17

Short Answer

Question: What is salt toxicity or water deprivation?

Answer: Lack of water for a couple of days followed by overconsumption of water.

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

HEALTH

Question # 18

Short Answer

Question: If a vaccination program is used in a swine herd is it the complete answer to keep PRRS from negatively effecting the herd? Why?

Answer: No, because there are so many different strains of PRRS that the vaccine may not target the strain present in the herd.

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

CARCASS QUALITY

Question # 19

True/False

Question: "Off Label" usage is illegal.

Answer: True

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

CARCASS QUALITY

Question # 20

Short Answer

Question: Feeding Paylean is recommended for use up to how long?

Answer: Up to 7 weeks. Feeding it longer than recommended (during the last 7 weeks of the finishing phase) is illegal.

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

HEALTH

Question # 21

Short Answer

Question: Should you give sows a booster vaccination for parvovirus and if so when should you give it to the sow?

Answer: Yes, you should give it to the sow at each weaning the day of weaning.

Resource: Vaccinations for Farrowing Operations, L2192 Page: 3

CARCASS QUALITY

Question # 22

Multiple Choice

Question: Which of these is closest to today's average backfat on hogs?

a) 2.8 inches b) 1.5 inches c) .75 inches

Answer: c) .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

GENERAL MANAGEMENT

Question # 23

Short Answer

Question: Water is the most important nutrient for any animal. What is the approximate amount of water needed for a pig weighing just under 60 pounds?

Answer: .7 to 1 gal/day. Nursery (up to 60lb BW) 0.7 to 1 gal/pig/day.

Resource: Just the Facts! Dehydration: The Need for Water, Shannon, pork.org Page: 1

GENETICS & SELECTION

Question # 24

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

YOUTH PROJECTS

Question # 25

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

GENETICS & SELECTION

Question # 26 ** Bonus Question Attached **

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 # BONUS QUESTION

Short Answer

Question: In late 1992 a large swine herd in Texas became infected with PRRS. What were three of the devastating results from this infection?

Answer: 1) Sows farrowed 5 days early, with all pigs dying 2) Weak, stillborn and mumified pig numbers in normally farrowed sows increased dramatically. 3) Healthy unweaned pigs sickened and died. 4) Nursery pigs suffered up to 25 percent mortality from pneumonia and survivors became poor-doers. 5) Pneumonia increased significantly in the grower-finisher area.

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

CARCASS QUALITY

Question # 27

Fill in the Blank

Question: As an animal ages, the meat _____.

Answer: Toughens

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

HEALTH

Question # 28

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

CARCASS QUALITY

Question # 29

Short Answer

Question: Describe the muscling of a pork carcass with a muscle score of "3".

Answer: The carcass is considered thick muscling and is described as being bulging in appearance, with the hams and shoulder being significantly thicker than the loin (due to increased muscle, not fat).

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

HEALTH

Question # 30

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

Swine Quiz Bowl

Senior Questions

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CARCASS QUALITY

Question # 1 Team A Contestant 1

Short Answer

Question: When pork is classified as pale, soft, and exudative (PSE), is the water being retained by or "leaking" out of the muscles?

Answer: "leaking" out

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

GENERAL MANAGEMENT

Question # 2 Team B Contestant 1

Short Answer

Question: In the pork industry, what is meant by the term "finishing?"

Answer: Finishing refers to the time period when animal's growth slows and fat begins to deposit within and around the muscle.

Resource: Texas 4-H Swine Project Guide, AS16-2 Page: 1

HEALTH

Question # 3 Team A Contestant 2

Short Answer

Question: What are the two keys to preventing lameness?

Answer: Make feet and leg soundness a priority; observe your pigs closely every day without fail

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

CARCASS QUALITY

Question # 4 Team B Contestant 2

Short Answer

Question: What is the 2 step process recommended by USDA for properly cooking whole pork cuts?

Answer: Cook to 145 degrees, internal temperature, followed by a 3 minute "rest"

Resource: Quick Facts, pork.org Page: 34

GENERAL MANAGEMENT

Question # 5 Team A Contestant 3

Short Answer

Question: For every pound of feed, a pig needs about 1/3 gal. of water. Approximately how much water should your hog need if he is eating 3# per day?

Answer: One gallon. 1/3 gallon of water should be consumed per pound of feed consumed to maintain growth and health.

Resource: Just the Facts! Dehydration: The Need for Water, Shannon, pork.org Page: 1

HEALTH

Question # 6 Team B Contestant 3

Short Answer

Question: What are some causes of lameness in show pigs?

Answer: Injury, arthritis, and structural stress

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

GENERAL MANAGEMENT

Question # 7 Team A Contestant 4

Short Answer

Question: Name two factors to consider regarding facilities.

Answer: Protection from the weather, affordability, ability to clean and disinfect

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

CARCASS QUALITY

Question # 8 Team B Contestant 4

Short Answer

Question: How much has research shown that Paylean can increase lean gain?

Answer: 25-37%. Paylean™ fed at 18 grams per ton increased lean gain by 25-37% in research trials.

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

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

YOUTH PROJECTS

Question # 9

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 # 10

Short Answer

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

Answer: The litter number

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

CARCASS QUALITY

Question # 11

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 # 12

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

GENERAL MANAGEMENT

Question # 13

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 # 14

Short Answer

Question: Is it possible to transmit the PRRS virus in to a swine herd by purchasing semen from a boar stud? And if so - why?

Answer: Yes, because infected boars shed PRRS virus into the semen for 43 days after infection and if the boar is infected gilts and/or sows artificially inseminated with that semen can become infected.

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

GENERAL

Question # 15

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 # 16

Short Answer

Question: What is the disease Colibacillosis in swine commonly known as?

Answer: E. coli diarrhea

Resource: Vaccinations for Farrowing Operations, L2192 Page: 3

GENERAL MANAGEMENT

Question # 17 ** Bonus Question Attached **

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

HEALTH

Question # BONUS QUESTION

Short Answer

Question: Since pigs with Atrophic Rhinitis are not discriminated against in price at slaughter explain why pigs with this disease cause economic losses to producers.

Answer: Pigs with moderate or severe AR normally have a reduced growth weight and worsened feed-conversion efficiency. This causes increased cost to the producer because he/she has to feed the pig longer in order to reach market weight.

Resource: Atrophic Rhinitis, L-2193 Page: 1-2

YOUTH LIVESTOCK JUDGING

Question # 18

Short Answer

Question: What shape is muscle?

Answer: It is bulging and roundish in shape

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

YOUTH PROJECTS

Question # 19

Short Answer

Question: Name an advantage of purchasing animals directly from a farm.

Answer: These animals are generally not exposed to other pigs where they could pick up diseases, you can related animals (littermates or parents), one-on-one attention from producer, producer can offer suggestions.

Resource: Texas 4-H Swine Project Guide, AS16-2 Page: 3-4

YOUTH LIVESTOCK JUDGING

Question # 20

Short Answer

Question: Where do you evaluate market animals to determine body capacity?

Answer: Evaluate swine for width through their blades, the spring to their rib cages, and the width they have through their chest floors.

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

GENERAL MANAGEMENT

Question # 21

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

REPRODUCTION

Question # 22

Short Answer

Question: When should sows be inseminated after detection of estrus?

Answer: 24 hours

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

YOUTH PROJECTS

Question # 23

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

CARCASS QUALITY

Question # 24

Short Answer

Question: What is the hot carcass weight?

Answer: The weight of the carcass after the hog is stunned, bled, dehaired and the viscera (intestines) and head have been removed.

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

GENERAL MANAGEMENT

Question # 25 ** Bonus Question Attached **

Short Answer

Question: Two keys to preventing lameness are:

Answer: 1) correct feet and leg soundness, 2) observing pigs daily for lameness

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

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

GENERAL MANAGEMENT

Question # 26

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

GENERAL MANAGEMENT

Question # 27

True/False

Question: If weaning at less than or equal to 21 days, a single injection of 100mg of iron in the neck should be sufficient.

Answer: True

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

GENETICS & SELECTION

Question # 28

True/False

Question: Knowing the genetic history of your swine will help you produce a better show animal.

Answer: True

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

YOUTH PROJECTS

Question # 29

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

CARCASS QUALITY

Question # 30

Fill in the Blank

Question: The regulatory agency responsible for inspecting pigs at the packing plant is the _____.

Answer: FSIS (Food Safety and Inspection Service)

Resource: Youth Program Pork Quality Assurance, ASWeb-074 Page: 26

Swine Quiz Bowl

Senior Questions

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GENERAL MANAGEMENT

Question # 1 Team A Contestant 1

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

GENETICS & SELECTION

Question # 2 Team B Contestant 1

Fill in the Blank

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

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

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

GENETICS & SELECTION

Question # 3 Team A Contestant 2

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

CARCASS QUALITY

Question # 4 Team B Contestant 2

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

HEALTH

Question # 5 Team A Contestant 3

Short Answer

Question: A common symptom of Swine Influenza Virus is

Answer: Explosive coughing outbreaks

Resource: Swine Pneumonia, L-5203 Page: 2

HEALTH

Question # 6 Team B Contestant 3

Short Answer

Question: What does Leptospirosis cause in swine?

Answer: Leptospirosis can cause abortion, infertility, mummified pigs, and stillborn or weak pigs.

Resource: Vaccinations for Farrowing Operations, L2192 Page: 2

YOUTH

Question # 7 Team A Contestant 4

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, and follows rules in the show ring.

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

REPRODUCTION

Question # 8 Team B Contestant 4

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

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

YOUTH PROJECTS

Question # 9

Short Answer

Question: How do you calculate the average daily gain of your show pig?

Answer: Divide the weight gain by the number of days between weighings

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

CARCASS QUALITY

Question # 10

Short Answer

Question: What are the two types of carcass quality defects caused by stress on the animal?

Answer: PSE (Pale, soft and exudative) or DFD (Dark, firm and dry)

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

HEALTH

Question # 11

Short Answer

Question: Another name for common swine pneumonia is ?

Answer: Enzootic pneumonia

Resource: Swine Pneumonia, L-5203 Page: 1

HEALTH

Question # 12

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

GENERAL MANAGEMENT

Question # 13

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 Farm

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

HEALTH

Question # 14

Short Answer

Question: What are the four most important swine diseases to vaccinate for?

Answer: Erysipelas, Leptospirosis, Parvovirus, and Colibacillosis

Resource: Vaccinations for Farrowing Operations, L2192 Page: 1

FEEDS/FEEDING

Question # 15 ** Bonus Question Attached **

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

GENERAL MANAGEMENT

Question # BONUS QUESTION

Short Answer

Question: How do you convert pork carcass price to live price?

Answer: Multiply the carcass price by .74

Resource: Quick Facts, pork.org Page: 9

HEALTH

Question # 16

Short Answer

Question: What company has 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

REPRODUCTION

Question # 17

Short Answer

Question: What is the greatest advantage of Artificial Insemination in swine?

Answer: Permits more extensive use of new, superior genetics at a potentially lower cost.

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

CARCASS QUALITY

Question # 18

Short Answer

Question: Name three methods of dry heat cooking.

Answer: Roasting, broiling, grilling, panbroiling and stir fry.

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

CARCASS QUALITY

Question # 19

Short Answer

Question: List three things that drugs or medications are used for in the swine industry.

Answer: To prevent or treat disease, provide for the welfare of the animal, minimize production costs, and improve rate of gain and feed efficiency.

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

CARCASS QUALITY

Question # 20

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 # 21

Short Answer

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

Answer: PQA

Resource: Quick Facts, pork.org Page: 10

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

HEALTH

Question # 23

Short Answer

Question: What are some effects of the porcine stress gene?

Answer: The stress gene causes the pig to be more muscular and lean, but will have lower quality meat. It may also cause the animal to be so excitable that stress can kill the animal.

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

GENERAL MANAGEMENT

Question # 24

True/False

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

Answer: True. Watch to verify they are eating, drinking, and to detect sickness.

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

REPRODUCTION

Question # 25

Short Answer

Question: List 3 of the 5 factors that might affect the shelf life, motility and viability of the semen.

Answer: Shipment, diluent, storage temperature, fluctuations in temperature and length of time since collection.

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

GENETICS & SELECTION

Question # 26 ** Bonus Question Attached **

Short Answer

Question: What is one problem that can be caused to a pig's front legs if the pig is too straight shouldered?

Answer: Puts too much pressure on the knee joint and can cause the pig's knees to buckle over.

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

CARCASS QUALITY

Question # Bonus BONUS QUESTION

Short Answer

Question: List two things you could do to ensure acceptable pork quality.

Answer: Proper handling, disposition, observe and follow withdrawal times, inject animals properly, not restricting feed or water intake to restrict weight gain, genetics (no stress gene)

Resource: Carcass Quality - Why is it important?, ASWeb-070 Page: 3

GENERAL MANAGEMENT

Question # 27

True/False

Question: The sow's udder provides more milk per teat at the back than at the front.

Answer: False - The sow's udder provides more milk at the front than at the back

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

REPRODUCTION

Question # 28

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

YOUTH PROJECTS

Question # 29

Short Answer

Question: List three possible causes for broken needles when administering drugs to livestock.

Answer: Reusing bent needles, using the wrong gauge or length of needle, improper site of administration, and improper restraint of the animals during the process.

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

HEALTH

Question # 30

Short Answer

Question: What does Erysipelas cause in swine?

Answer: Arthritis and death loss

Resource: Vaccinations for Farrowing Operations, L2192 Page: 1