

2015 State Fair Swine Skill-a-thon  
Senior Quiz

- Which of the following parts of the pork carcass would retail for the highest price per pound?
  - Loin
  - Side/Belly
  - Shoulder
  - Spareribs
- A pork carcass weighs 185 pounds, has 0.8 inch of backfat and a loineye area of 9.5 square inches. For the packer and processor, this carcass is:
  - Too big
  - Too fat
  - Too lean
  - Ideal
- Which of these is a quality grade for pork?
  - Acceptable
  - Good
  - Prime
  - None of these
- Which of these is a coronavirus that causes severe diarrhea and near 100% mortality in piglets?
  - PSE
  - BVD
  - PEDv
  - Leptospirosis
- Which hormone causes the regression of the corpus luteum?
  - Oxytocin
  - Luteinizing Hormone
  - Prostaglandin
  - Progesterone
- Having a white belt in swine is a dominant trait (WW). If a boar is heterozygous (Ww) for the gene for white belts and the sow is homozygous (ww) and does not have a white belt, then what are the expected % of white belts?
  - 25%
  - 50%
  - 75%
  - 100%
- At the same weight, which sex would be the leanest?
  - Gilt
  - Barrow
  - Boar
  - They would all be the same
- One of the factors affecting percent muscle in pork is:
  - Loin eye area
  - 10<sup>th</sup> Rib Fat Thickness
  - Hot carcass weight
  - All of the above
- What is the most limiting amino acid in a swine ration?
  - Methionine
  - Leucine
  - Lysine
  - Valine
- In the commercial industry, the price paid to a producer for a market hog is not based on
  - Percent Muscle
  - Carcass weight
  - Live weight
  - Number of days on feed
- A pig now weighs 250 pounds. 75 days ago he weighed 100 pounds. He has eaten a total of 600 pounds of feed. What is his Feed Efficiency, also known as Feed-to-Gain Ratio?
  - 2
  - 4
  - 6
  - 8
- The genotype that results in 30-50% PSE, but allows for a greater percentage of lean and the potential for superior growth is:
  - NN
  - Nn
  - nn
  - None of the above
- What structure can give a false positive for pregnancy when using ultrasound on sows?
  - Stomach
  - Lungs
  - Bladder
  - Jejunum

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14. When curing a pork ham, what ingredient is added to prevent oxidative rancidity?
  - a. Glycerol
  - b. Phosphates
  - c. Herbs
  - d. Pickling solution
15. The follicle and corpus luteum are structures found on the
  - a. Testes
  - b. Uterus
  - c. Cervix
  - d. Ovaries
16. What % yield of lean pork cuts is most desirable?
  - a. Higher than 60%
  - b. Less than 60%
  - c. Pork does not have lean
  - d. Pork is not measured on a % basis
17. Which hog breed has gained popularity due to its high degree of muscling, but has problems with carcass quality?
  - a. Hampshire
  - b. Pietrain
  - c. Poland China
  - d. Yorkshire
18. Hogs have what structure in their cervix?
  - a. Interdigitated prominences
  - b. Longitudinal folds
  - c. Annular rings
  - d. Both A and B
19. The EPD used in swine to predict the potential growth of an individual is:
  - a. Number Born Alive
  - b. 21-Day Litter Weight
  - c. 250-Day Weight
  - d. Litter Size
20. What is the first milk called that is produced right after giving birth? It is important that the newborn animal drinks this within 6-12 hours of being born.
  - a. Coliform
  - b. Prolactation
  - c. Colostrum
  - d. Whole milk
21. Which of the following are used to calculate the SPI rank for a boar?
  - a. Number born alive
  - b. 21-day litter weight
  - c. Both A and B are correct
  - d. This rank does not exist for boars
22. The part of the intestine where the greatest amount of nutrient absorption occurs is the:
  - a. Duodenum
  - b. Jejunum
  - c. Ileum
  - d. Colon
23. Which of the following feedstuffs would be the best source of protein for a growing hog?
  - a. Urea
  - b. Cottonseed meal
  - c. Soybean meal
  - d. Barley
24. How many chromosomes does a pig have?
  - a. 60
  - b. 38
  - c. 34
  - d. 46
25. What hormone induces parturition by increasing uterine contractions?
  - a. GnRH
  - b. Oxytocin
  - c. Prostaglandin
  - d. Progesterone