

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 yield grade in pork is:
  - Loin eye area
  - Muscle score**
  - Hot carcass weight
  - Maturity
- 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 based on
  - Back fat depth
  - Carcass weight
  - Live weight
  - Both a and b**
- 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 their offspring 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