1. How old should gilts be before their first breeding?
   A. 6-8 weeks  
   B. 7-12 months  
   C. 2 years  
   D. 5 years

2. How many white points is a Poland China supposed to have?
   A. Four  
   B. Six  
   C. Eight  
   D. Ten

3. What is the name for the sire’s dam?
   A. paternal grand sire  
   B. maternal grand dam  
   C. paternal grand dam  
   D. second generation

4. Which breed is best known for being good mothers?
   A. Chester White  
   B. Poland China  
   C. Berkshire  
   D. Spotted

5. Keeping pigs separated from other pigs from another farm in order to prevent the spread of disease is called?
   A. Presentation  
   B. Selection  
   C. Isolation  
   D. None of the above

6. Pigs carrying one copy of the stress gene are classified as:
   A. stress positive  
   B. stress negative  
   C. stress carriers  
   D. sick pigs

7. What does CPS stand for?
   A. Chester Poland Spot Association  
   B. Cool People Showing  
   C. Certified Pedigreed Swine

8. Which of the following hormones causes “heat”?
   A. Growth hormone  
   B. Oxytocin  
   C. Progesterone  
   D. Estrogen

9. A subcutaneous shot is given:
   A. Under the skin  
   B. In the vein  
   C. In the muscle  
   D. In the mouth

10. How many total notches are required to identify a pig as 85-13?
    A. 5  
    B. 6  
    C. 9  
    D. 13

11. What state is home of the National Pork Board?
    A. Illinois  
    B. Iowa  
    C. Indiana  
    D. Nebraska

12. Using the purebred system what do the notches in the left ear stand for?
    A. Dam number  
    B. Litter Number  
    C. Sire Number  
    D. Pig Number

13. When does the mature sow have the lowest nutrient requirement?
    A. gestation  
    B. lactation  
    C. estrus  
    D. requirements don’t change

14. Rank from highest to lowest cattle, sheep and swine in terms of dressing percentage.
    A. swine, cattle, sheep  
    B. cattle, sheep, swine  
    C. sheep, swine, cattle  
    D. swine, sheep, cattle

15. A boar begins to produce sufficient sperm to impregnate a female when he is how old?
    A. 3-4 months  
    B. 2-5 months  
    C. 90 days  
    D. 7-9 months
Quizbowl

Intermediate Quizbowl

Swine Knowledge

(page 2)

16. What part of the pig is often pickled?
   - A. feet
   - B. bacon
   - C. ham
   - D. pork chops

17. True or False. Genetics accounts for all the variability among individuals.

18. The practice of feeding swine to gain weight and hyper-ovulate them pre-breeding is?
   - A. flushing
   - B. finishing
   - C. synchronizing
   - D. isolating

19. True or False. When clipping baby pig teeth, the molars are cut off.

20. What hormone is responsible for maintaining pregnancy?
    - A. prolactin
    - B. oxytocin
    - C. estrogen
    - D. progesterone

21. When does most fetal growth occur of the sows litter?
    - A. early gestation
    - B. mid gestation
    - C. late gestation
    - D. fetal growth is evenly distributed

22. What vitamin is called the sunshine vitamin?
    - A. vitamin A
    - B. vitamin D
    - C. vitamin K
    - D. vitamin C

23. What does EPD stand for?
    - A. expected payment deviation
    - B. expected performance difference
    - C. expected progeny difference
    - D. expected phenotype deviation

24. When balancing swine rations we usually consider protein requirements, but what should we actually use?
    - A. amino acids
    - B. carbohydrates
    - C. fatty acids
    - D. vitamin/mineral

25. True or False. Fishmeal is used as an energy source in showpig diets?

26. Which will have the highest dressing percentage?
    - A. market hog
    - B. market steer
    - C. market goat
    - D. market lamb

27. What hormone is responsible for milk production?
    - A. prolactin
    - B. oxytocin
    - C. estrogen
    - D. progesterone

28. Ramps that are_______ the trailer are best for loading pigs.
    - A. slightly higher
    - B. slightly lower
    - C. level with
    - D. made of wood

29. When does the mature sow have the highest nutrient requirement?
    - A. gestation
    - B. lactation
    - C. estrus
    - D. requirements don’t change

30. How many members are on the Team Purebred Junior Board of Directors?
    - A. 7
    - B. 9
    - C. 5
    - D. 10

31. Which of the following strains of the flu virus most recently made the headlines?
    - A. Avian
    - B. H2N1
    - C. N1H1
    - D. H1N1

(continued)
32. What is the swine breed that originated in Canada and consists of 55% Landrace, 23% Berkshire, and 22% Chester White?
   A. Lacomb  B. Blue Butt  C. Poland  D. Hereford

33. True or false. Oil should always be used to brighten black or red pigs for a show, especially on really hot days.
   False. Oil may be used during cool weather, but water serves the same purpose and should be used exclusively on hot days.

34. Minimum ventilation is most important during which season of the year?
   Winter

35. There are three sources of odor found on most hog farms - buildings, manure storage, and manure application. Which has the largest potential for odor complaints from neighbors?
   Manure Application

36. All-in all-out management is a strategy to keep pigs from picking up diseases from other groups of pigs. Describe all-in all-out management.
   A room or building of pigs is completely emptied of pigs, (washed and disinfected) before the next group is moved in. (NOTE: Use your judgment on this one)

37. The international swine industry trade show held annually in Des Moines, Iowa is called _____?
   The World Pork Expo

38. True or False. Pigs should be moved and sorted with hurdles (sometimes called boards or sorting panels) that have openings that the pig can see through.
   False. Hurdles should be solid.

39. Which state on the East Coast ranks second in the nation in hog production?
   North Carolina

40. True or False. Dust accumulation on fan blades can reduce the amount of air the fan moves.

41. True or False. During a showmanship competition, you should always watch your parents outside the ring in case they have any advice to offer.