

**Junior Quiz**  
**2015 State 4-H/FFA Stockmen's Contest**

1. Which livestock feed would have the highest percentage of dry matter?
  - a. Corn silage
  - b. Alfalfa haylage
  - c. **Grass hay**
  - d. Grass forage
2. Which of the following can occur if proper calcium-phosphorus ratios are not maintained in your show wether's diet?
  - a. White muscle disease
  - b. Acidosis
  - c. Grass tetany
  - d. **Urinary calculi**
3. What part of the female reproductive tract produces the eggs?
  - a. **Ovary**
  - b. Oviduct
  - c. Uterus
  - d. Cervix
4. Your ewe was marked on September 6<sup>th</sup>. If she does not get pregnant, when should she come into heat again?
  - a. September 7<sup>th</sup>
  - b. September 16<sup>th</sup>
  - c. **September 23<sup>rd</sup>**
  - d. September 27<sup>th</sup>
5. If you wanted to add more energy to your hog's diet, which feedstuff would be the best choice to use?
  - a. **Ground corn**
  - b. Corn Silage
  - c. Soybean meal
  - d. Urea
6. Which of the following are USDA cattle yield grades?
  - a. Prime, Choice, Select
  - b. **1, 2, 3, 4, 5**
  - c. A, B, C, D, E
  - d. Acceptable, Unacceptable
7. What is the term for removing the tails of baby lambs?
  - a. trimming
  - b. bobbing
  - c. clipping
  - d. **docking**
8. What does a cow's colostrum contain that makes it essential to the newborn calf's developing immune system?
  - a. **Antibodies**
  - b. Fat
  - c. Antigens
  - d. Antibiotics
9. You are a beef producer who is looking to crossbreed your herd of Angus cattle in order to increase their heat tolerance. Which of the following breeds would be the best choice to use?
  - a. Hereford
  - b. **Brahman**
  - c. Charolais
  - d. Simmental
10. An animal's body composition changes as it grows and matures. Which of the following increases the most with respect to body composition as an animal matures?
  - a. Protein
  - b. Water
  - c. Mineral
  - d. **Fat**
11. Which of the following hog breeds would be considered a maternal breed?
  - a. **Landrace**
  - b. Berkshire
  - c. Hampshire
  - d. Duroc
12. Quality of beef meat is determined by a variety of factors, one of which is marbling. What is another term for the fat that causes marbling in meat?
  - a. Subcutaneous
  - b. **Intramuscular**
  - c. Intermuscular
  - d. None of the above

13. What does PSE stand for when describing the appearance of pork meat?
- Pink, Soft, Exhaustive
  - Pale, Squishy, Exudative
  - Pale, Soft, Exudative
  - Pink, Spongy, Exudative
14. What is used to store frozen semen for Artificial Insemination?
- Liquid Hydrogen
  - Dry ice
  - Ice
  - Liquid nitrogen
15. What country is the origin of Charolais cattle?
- England
  - France
  - Germany
  - United States
16. What term describes the production of milk?
- Flushing
  - Lactation
  - Gestation
  - Farrowing
17. Which livestock species is considered a monogastric?
- Cattle
  - Sheep
  - Swine
  - Goats
18. Which mineral is extremely toxic to sheep, even in very low doses?
- Copper
  - Phosphorus
  - Iron
  - Zinc
19. Ionophores are fed to cattle in order to
- Increase feed per pound of gain
  - prevent heifers from coming into heat
  - Stimulate feed intake
  - Increase feed efficiency
20. Which grain is highest in fiber content?
- Oats
  - Barley
  - Corn
  - Wheat
21. Your pig weighs 205 pounds on April 20<sup>th</sup>. 10 days later it weighs 225 pounds. What is the average daily gain of this hog?
- 1 pound
  - 1.5 pounds
  - 2 pounds
  - 4 pounds
22. What is the name of the condition in cattle that occurs due to the accumulation of gases, usually seen as swelling on the upper left side of the animal?
- Acidosis
  - Bloat
  - Listeriosis
  - Brucellosis
23. You treat your steer with Penicillin. The withdrawal period for this medication is 14 days. If the first dosage of Penicillin is given on May 3<sup>rd</sup>, and the last dosage is given on May 6<sup>th</sup>, what is the **earliest date** at which you can sell this steer?
- May 6<sup>th</sup>
  - May 17<sup>th</sup>
  - May 20<sup>th</sup>
  - May 14<sup>th</sup>
24. Which of the following does would be at the highest risk for pregnancy ketosis?
- A doe 3 months pregnant with a single
  - A doe 5 months pregnant with triplets
  - A doe in late lactation nursing triplets
  - A doe nursing twins
25. Gestation length in swine is \_\_\_\_\_?
- 99 days
  - 113 days
  - 131 days
  - 144 days