

**2015 Virginia State Fair  
Beef Skillathon Senior Quiz**

Name \_\_\_\_\_ Key \_\_\_\_\_

County \_\_\_\_\_

1. a Which of the following maturity grades apply to cattle under 24 months of age?  
a. A&B      b. A&D      c. C&D
2. b Which of these is highest in priority when considering nutrient allocation  
a. reproduction      b. maintenance      c. production
3. d Milk fever is the result of an acute drop of \_\_\_\_\_ blood level.  
a. iron    b. selenium    c. copper    d. calcium
4. b If mating heterozygous by heterozygous the percentage of homozygous offspring would be  
a. 10%      b. 25%      c. 50%      d. 75%
5. a Which of the following plants is a perennial cool season grass?  
a. orchardgrass      b. sudagrass    c. bermudagrass      d. crabgrass
6. a The USDA Quality Grades in order from highest degree to lowest degree of marbling are  
a. Prime, Choice, Select, Standard      b. 5,4,3,2,1  
c. Standard, Select, Choice, Prime      d. 1,2,3,4,5
7. a True or False. In dry feedlot conditions, cattle are less likely to ingest worm eggs or larvae.  
a. True      b. False
8. d Which breed was developed from an Angus X Shorthorn cross?  
a. Santa Gertrudis      b. Hays Converter      c. Salers      d. Murray Grey
9. b The performance advantage gained by crossing animals of two different breeds is called  
a. ketosis      b. heterosis      c. mitosis      d. superiority
10. a Coccidiosis describes a condition caused by  
a. internal parasite      b. bacteria      c. nutrient deficiencies
11. b Which of these USDA Feeder Cattle grades best describes a calf that would be expected to reach finished weight at 1,000 pounds or less?  
a. L1    b. S1    c. M1
12. a If a cow has a body condition score of 8, she is  
a. fat    b. good      c. thin
13. b Which grain is lowest in energy value?  
a. wheat      b. oats      c. barley      d. corn

**(more questions on back)**

14. a Which of these is the most important nutrient for thin cows in late lactation?  
a. energy      b. protein      c. water      d. minerals
15. b A carcass with marbling score of Moderate would best fit in which grade  
a. Prime      b. Choice      c. Select      d. this marbling score is invalid