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?  

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 and Angus X Shorthorn cross?  

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___ Coccidioides 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