Feeding Ruminants Notesheet C. Kohn, Agricultural Sciences, Waterford WI

Name: Hour Date:

Date Assignment is due: Why late? Score: + ✓ -  
 Day of Week Date If your project was late, describe why

**Directions**: use the accompanying PowerPoint (<http://bit.ly/feeding-ruminants>) to complete the questions below. This sheet will be due upon the completion of the PowerPoint in class. These assignments are graded on a +/√/- scale.

1. The most important job of a farmer or a rancher is to   
     
   \_
2. An animal without quality or can very quickly .
3. An animal without quality food or water is a and animal.
4. Cattle without access to on a day can from   
     
    after only a few .
5. What 7 things is water necessary for?   
     
   \_   
     
   \_   
     
   \_   
     
   \_
6. Limiting intake can depress animal more quickly   
     
   and than any other nutrient .
7. How many gallons per day does a lactating cow need in July? Gal. A bull? Gal
8. How many gallons of water would Locker, at 800 lbs, need in July? In January?
9. Cows given access to will produce more and   
     
   more than cows allowed to only a day.
10. Do cows always consume the same amount of water? Explain:   
      
    \_
11. How could stale water affect a cow’s performance?   
      
    \_
12. Dirty water is a for organisms
13. What is a good choice for a disinfectant in a waterer? What could be used to   
      
    reduce algae growth?
14. What purpose would elevating the waterer serve?   
      
    \_
15. How does water quality and quantity affect feed consumption?   
      
    \_
16. Should cattle be given completely pure water? Why?   
      
    \_
17. How do you check for dehydration in cattle? What are 6 signs?  
      
    \_   
      
    \_   
      
    \_   
      
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18. Feeding cattle is never – the of cattle change with   
      
    \_
19. What 5 ingredients does every living thing, including cattle, need in their diet?  
      
    \_
20. To acquire these elements, a cow’s diet typically contains what key ingredients?   
      
    \_
21. Forages are typically thought of as the portion of a cow’s diet.
22. Forages are not as energy as and most of   
      
    the in a is in the form of
23. List and describe three kinds of forages common in cattle’s diets:  
      
    Forage: Description:   
      
    \_   
      
    Forage: Description:   
      
    \_   
      
    Forage: Description:   
      
    \_
24. If bison on the Great Plains did not need energy concentrates in their diet, why do modern cattle?   
      
    \_
25. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are the most traditional source of concentrate.
26. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the seed coat increases
27. What will happen if a concentrate is too finely ground?   
      
    \_
28. What will happen if a concentrate is too coarsely ground?   
      
    \_
29. List and describe eight kinds of energy concentrates common in cattle’s diets:  
      
    Concentrate: Description:   
      
    \_   
      
    Concentrate: Description:   
      
    \_   
      
    Concentrate: Description:   
      
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    Concentrate: Description:   
      
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    Concentrate: Description:   
      
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    Concentrate: Description:   
      
    \_
30. The requirement for is dependent upon the of the cow,   
      
    of production, and of production. Protein , like   
      
    are during any point in the cows production cycle
31. Cattle protein requirements are met by what two sources?  
      
    \_   
      
    \_
32. Dietary protein can be divided into what two categories?  
      
    \_
33. What is DIP Protein?
34. What is UIP Protein?
35. List and describe eight kinds of proteins common in cattle’s diets:  
      
    Protein: Description:   
      
    \_   
      
    Protein: Description:   
      
    \_   
      
    Protein: Description:   
      
    \_   
      
    Protein: Description:   
      
    \_   
      
    Protein: Description:   
      
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 Unit Wrap-up C. Kohn, Agricultural Sciences - Waterford WI

This page is designed to help raise your grade while enabling you to develop skills you will need for after high   
school. You will need to complete every question and blank in order to receive full credit for your notes. Note: if you cannot come up with a strategy to remember a difficult concept on your own, see your instructor for help.

1. What is a topic or concept from this unit that you found to be more challenging? Write or describe below:  
     
      
     
   In the space below, create a mnemonic, rhyme, analogy, or other strategy to help you remember this particular concept:
2. What is a 2nd topic or concept from this unit that you found to be more challenging? Write or describe below:  
     
      
     
   In the space below, create a mnemonic, rhyme, analogy, or other strategy to help you remember this particular concept:
3. What is a 3rd topic or concept from this unit that you found to be more challenging? Write or describe below:  
     
      
     
   In the space below, create a mnemonic, rhyme, analogy, or other strategy to help you remember this particular concept:
4. Circle the most appropriate response. You will only be graded on whether or not you completed this section, so be entirely honest with yourself when completing this section.

Circle one: *I used my notes outside of class to prepare for the quiz.* Definitely – Yes – Sort of - No

Circle one: *I took extra notes in the margins for very difficult concepts.* Definitely – Yes – Sort of - No

Circle one: *I created a personal strategy for at least three difficult items.* Definitely – Yes – Sort of - No

Circle one: *I was very involved and actively studying during the quiz review.* Definitely – Yes – Sort of - No

Circle one: *I think I will be satisfied with the quiz grade I received this week.* Definitely – Yes – Sort of - No

Circle one: *My instructor is cool & I want to pay dues to be in their fan club.* Definitely – Yes – Sort of - No