

# PURDUE EXTENSION BOONE COUNTY

## 4-H Utility Goat Worksheets

Grade 10-C



Name: \_\_\_\_\_

4-H Club: \_\_\_\_\_

Date: \_\_\_\_\_

### Goat Nutrition

1. Explain the importance of protein in a goat's diet.

\_\_\_\_\_

2. Because goats are ruminant animals, they can digest \_\_\_\_\_.

3. Match the following:

\_\_\_\_\_ Rumen

A. Mixes/stores, serves as fermentation vat

\_\_\_\_\_ Reticulum

B. Produce and secrete digestive enzymes and acids

\_\_\_\_\_ Omasum

C. Squeeze and absorb water from the feed

\_\_\_\_\_ Abomasum

D. Regurgitation of food for rechewing

\_\_\_\_\_ Rumination

E. Catches large particles of feed for further digestion

4. You have 10 lbs of hay at 90 percent Dry Matter (DM) that you are feeding your doe each day. Calculate how many lbs of DM this doe is eating per day.

5. You have a wether that you want to feed at 12 percent protein. You are mixing a 34 percent protein pellet with 8.9 percent cracked corn. You want 300 lbs of feed when you are done. Using this Pearson Square, how much of each will you need to mix to get the desired protein content?



6. Identify the following Feed Ingredients:



A. \_\_\_\_\_



B. \_\_\_\_\_



C. \_\_\_\_\_



D. \_\_\_\_\_



E. \_\_\_\_\_



F. \_\_\_\_\_

7. What is a result of Vitamin C deficiency?

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ **and** \_\_\_\_\_

8. This Vitamin may be needed as a supplement to animals that are stressed or sick.

\_\_\_\_\_

9. How does a Vitamin D deficiency affect the bones/joints of an animal?

\_\_\_\_\_, \_\_\_\_\_ **and** \_\_\_\_\_

10. A 100 pound goat that is not producing milk consumes about \_\_\_\_\_  
of water per day.

11. What is the ideal time to wean a kid from its mother? \_\_\_\_\_

12. What is the most important nutrient required to survive? \_\_\_\_\_

And how much of a goat's body is composed of this nutrient? \_\_\_\_\_ - \_\_\_\_\_ %

Answers to these questions can be found in the "Goat Resource Handbook" 4-H 135R