

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

Nutrition

Chapter 5, Dairy Resource Handbook

Name the four compartments of a dairy cow's stomach and list a brief description of each:

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

Explain the function of an "esophageal groove" in a young calf.

True or False \_\_\_\_\_ Each cell in the cow's body is composed of approximately 85% water.

Why is forage "quality" important for the dairy cow?

List the two categories of "feedstuffs" and give three examples of each:

- 1) \_\_\_\_\_  
  \_\_\_\_\_                  \_\_\_\_\_                  \_\_\_\_\_
  
- 2) \_\_\_\_\_  
  \_\_\_\_\_                  \_\_\_\_\_                  \_\_\_\_\_

What is "Colostrum"?

Why should Colostrum be given soon after birth?

How many pounds of calf starter should a dairy calf be eating each day before you "wean" it from milk?

On page 54 of your dairy resource handbook, how much Protein does this feed contain according to the feed tag?

When feeding a pregnant heifer, why would you not want her to become "over-conditioned"?

When feeding a Lactating dairy cow, what nutrient is usually the most limiting?

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If you are feeding 100 pounds of corn silage that is 35% dry matter, how many pounds of this feed is water?

If you are balancing for a 20% Protein grain mix for your heifer using corn and soybean meal, what % corn and what % soybean meal would you need to complete this mixture? (Example on page 73)

True or False\_\_\_\_\_ Dried Whey is a by-product from making cheese.

True or False\_\_\_\_\_ Total Mixed Rations (TMR) provide cattle with fresh forages that are high in energy and protein without the cost of harvesting.

What Vitamin is synthesized by rumen microorganisms? \_\_\_\_\_. Is this vitamin fat-soluble or water soluble?