



4-H Beef/Dairy Beef

Name: _____ 4-H Club _____

1. The two types of injections given to cattle include the _____ injection and _____ injection.
2. Cattle are called ruminants because they have a four compartment or ruminant stomach. The four parts are the _____, _____, _____, and _____.
3. A livestock feed label should contain eight different items. Fill in the missing items.
A. _____ E. _____
B. Purpose of Feed F. _____
C. _____ G. Name/Address of Distributor
D. _____ H. _____
4. Learning how to give an injection is an important skill. Needles are similar to wire in that they are sized by gauge. The smaller the number (12 or 14 gauge), the larger the needle. The larger the number (20 or 22 gauge), the smaller the needle.

What size needle would you use for a normal injection? Circle the best answer.

- A. Plastic syringe, 12 gauge needle, 1 ¼ inches long
 - B. Plastic syringe, 16 – 18 gauge needle, 1 ¼ inches long
 - C. Plastic syringe, 22 gauge needle, 1 ¼ inches long
5. Using your “Beef Resource Handbook” 4-H 117R, look up web resources for the following:

Breed Association

Web Site

American Maine Anjou Association

American Angus Association

American Chianina Association

6. Cattle use protein to build muscle, hair, hooves, and tissues inside their bodies. We eat meat and eggs, which are high in protein. _____ and _____ hay (legumes) are examples of livestock feeds that are high in protein.

7. What are trace minerals? _____

8. List four different trace minerals.

9. Listed below are feed ingredients for Beef. List what feed group each of the ingredients would fit into. Choose between:

- “E” Energy Nutrient Group
- “M” Mineral Nutrient Group
- “P” Protein Nutrient Group

<u>Ingredient</u>	<u>Group</u>
Wholesale Grain Oats	_____
Cracked Corn	_____
Soybean Meal	_____
Trace Mineral Salt	_____
Steam Rolled Oats	_____
Dried Whey	_____
Dry Molasses	_____
Dicalcium Phosphate	_____
Whole Kernel Corn	_____
White Salt	_____
Soybean Hulls	_____
Brewers Grain	_____
Cottonseed Meal	_____
Dehydrated Alfalfa Pellets	_____
Ground Corn	_____