

Name: _____

4H Club : _____

Working Safely with Dairy Cattle – Chapter 3, Dairy Resource Handbook

Describe what a “flight zone” is:

True or False _____ Dairy animals are color blind.

What instinct causes animals to want to stay together in a group? _____

True or False _____ Cattle have a short memory. If a heifer is hit or yelled at, she will forget about it the next day.

In one paragraph, please tell us what you hope to learn by being a part of the dairy project this year:

Diseases such as ringworm that can be transmitted from animals to humans are called _____ diseases.

If you see a younger 4-H member being dragged around by their show heifer, describe how you would safely correct the situation using proper cattle handling techniques.

In one paragraph, describe how you could be a positive role model to the younger Boone County 4-H Dairy members.

Health Management and Diseases – Chapter 6, Dairy Resource Handbook

What is the most important thing you can feed a newborn calf to prevent disease? _____

Why is it necessary for a calf to be “dehorned”?

_____ is another name for a difficult birth.

Please list one method to stimulate breathing in a newborn calf: _____

Why is it important to dip a newborn calf's navel with 7% Iodine?

In addition to feeding milk to the calf, what can be gained by offering water?

True or False _____ Pneumonia can be caused by a bacteria or a virus.

If a calf becomes dehydrated because of scours, what could you feed to help her recover? _____

True or False _____ Calves should be eating 1.5 - 2 pounds of feed (grain) for 3 consecutive days before they can be weaned from milk.

If a Holstein heifer is bred at 15 months of age, how many pounds should she weigh? _____

What is the cause of Ketosis? _____

Name two symptoms of a DA (twisted stomach): 1) _____ 2) _____

True or False _____ To prevent "Hardware disease" you can place a magnet in a cow's reticulum.

Most cows are "dried off" _____ days before they are due to calve. This allows the udder to regenerate before her next lactation.

Please explain what a clinical disease is:

True or False _____ an Intramuscular (IM) injection should be given in the neck.

Why is biosecurity important?

Milk Processing and Dairy Products – Chapter 12, Dairy Resource Handbook

How many pounds of whole milk does it take to make one pound of Cheese? _____

What gives butter it's natural golden color? _____

Starting with "Clarification", what are the six remaining steps of processing fluid milk?

1) _____ 2) _____ 3) _____

4) _____ 5) _____ 6) _____

Explain what happens to fat particles when milk is homogenized:

True or False _____ Yogurt is made by going through a fermentation process.

What is your favorite dairy product? _____

Why is it important for milk to be stored above freezing, but below 40 degrees on the farm?

True or False _____ Milk is tested for antibiotic residues before it is processed.

Referencing the following website, what % of all greenhouse gas is produced by ruminants in the USA?

website <https://www.ucdavis.edu/food/news/making-cattle-more-sustainable>

Please complete the following information on how dairy products compare to other beverages:

Nutrients (% Daily Value)	Cheddar Cheese:	Whole Milk:	Soy Milk:	Mountain Dew:
Calcium (%)				
Protein (%)				
Vitamin D (%)				
Sugar (%)				