

The Dairy Alliance Video Worksheet

The following questions go along with the virtual field trip to dairy farm provided by The Dairy Alliance at the following web link. <https://thedairyalliance.com/virtual-field-trip/> These videos are recommended for our elementary age club members or those that have very limited experience with dairy farming. Have the 4-H members watch the videos and answer the following questions.

Dairy Breeds

1. Name the six breeds of dairy cattle mentioned in the video.

2. How many essential nutrients does milk contain? _____
3. What percent of milk in the United States comes from Holsteins? _____
4. Which two breeds produce milk which contains higher butterfat?

5. Higher butterfat milk is good for making which dairy products? _____

Sustainability

1. _____ is one of the most valuable resources on the dairy farm.
2. What is used to protect the soil from erosion and add nutrients like carbon and nitrogen back in the soil? _____
3. Name two bedding materials used on the dairy farm that can be recycled.

4. This readily available resource from dairy cows can provide nutrients for crops as well as can be used to make electricity. What is the resource? _____

Milking Parlor

1. How many times a day do most cows go to the parlor to be milked? _____
2. What is the name for the revolving parlor that takes 10-12 minutes to milk a cow?

3. Which type of milking system allows cow to be milked when they want through a system of collars or neck tags? _____
4. _____ is in a closed system from udder to the jug which means it is never touched by human hands.
5. _____ are used to find the teats and dispenser disinfectant on the teats in a robotic system.

The Barn

1. Why are cows kept in barns? _____
2. What do the initials TMR stand for when talking about dairy cow nutrition?

3. How many gallons of water does a mature dairy cow drink in a day? _____
4. Keeping cows cool is important to milk production. Name some ways cows are kept cool in barns. _____
5. Why do barns have systems in place to handle manure? _____

Milk Transport

1. Milk goes through what process once it reaches the processor to make it safe to drink and store? _____
2. Raw milk is transported in a _____ truck from the farm to the processing plant.
3. Dairy farmers are very cautious about making sure no _____ are in their milk because every load is tested before unloading at the processing plant.
4. How many hours does a typical load of milk take to get from the cow to the grocery store?

Bulk Tank

1. Milk is what temperature when it comes out of the cow? _____
2. A _____ is used in some systems to quickly cool the milk to 40 degrees F using water.
3. What is the temperature that milk is kept in the bulk tank? _____
4. On larger dairy farms sometimes, milk goes directly into the _____ instead of being stored in a bulk tank.

Family

1. What percent of the population is involved in farming? _____
2. Approximately how many dairy farmers are there in the United States? _____
3. Many dairy farms have multiple _____ working on the farm.

Feed Barn

1. On some smaller dairy operations, the cows are allowed to graze _____.
2. _____ is when a crop is chopped into small pieces and stored in silos to feed to the dairy cow.
3. Alfalfa hay is high in what nutrient? _____
4. Name two items mentioned in the video that cows can eat that we cannot eat.

5. A _____ works with the dairy farmer to provide a balanced diet for the dairy cow.

Nursery

1. Why is it important for calves to receive individual attention?

2. How much does the average calf weigh when it is born? _____
3. What is the first milk called which is important for calf immunity? _____
4. _____ are medications given to calves to help keep them healthy.
5. Once calves are _____ they are moved to groups of calves of similar size and age.

Dry Cows

1. Cows are typically given a break from milking which last how long before they calve again?
2. Name one reason why cows are given a dry period before they have another calf.

3. Are dry cows kept with the milking cow or put in a separate area? _____
4. It important to have a dry period for cows to help protect the _____ of the herd.