

Name _____

Date _____

Dairy Facts

- Immigrants arriving at Ellis Island were served **vanilla ice cream** as part of their "Welcome to America" meal.
- It takes about **12 pounds** of milk to make one gallon of ice cream.
- The average dairy cow consumes 300 pounds of water each day.
- All cheese is naturally white. Yellow cheeses are yellow because color is added to them.
- A protein in milk called casein is used to make white school glue.

Breed Characteristics

- The **physical** traits that differentiate one breed from another.

Bull

- An **uncastrated** male bovine.

Calf

- Any animal of the **cattle** family under one year of age.

Casein

- The dominant **protein** found in milk and milk products.

Colostrum

- The first milk a cow produces after calving; it has **antibodies** to help the newborn calf survive.

Cow

- **Mature** female bovine that has produced at least one calf.

Curd

- The thickened or solid part of milk that has been coagulated.

Dairy Herd Improvement Records

- A program used by many dairy breeders where production records are kept on dairy cattle.

Disposition

- The manner in which an animal **acts**.

Dry Cow

- A cow that is between **lactations**.

Emulsion

- A mixture of liquids that do not normally **combine**, such as the fat and water in milk.

Freemartin

- When a cow gives birth to twins and they are the opposite sex, the heifer will not reproduce.

Heifer

- A female bovine that has **produced** a calf.

Lactation

- The time period when a mother still is giving milk.

Lactose

- The dominant **carbohydrate** (sugar) that is found in milk.

Mammary System

- Parts of the cow that are directly responsible for producing and storing milk such as the udder, **blood vessels**, and teats.

Milk Solids

- The elements of milk such as proteins, carbohydrates, and minerals.

Parlor

- Area where cows are **milked**.

Rennet

- An **enzyme** used to coagulate the milk protein when making some cheeses.

Springer

- A cow, especially a heifer, that is showing signs of **advanced pregnancy**.

Stanchion

- A type of restraint that holds the animal's head, but allows the cow to **eat** and be milked.

Whey

- The liquid part of milk remaining after the **curd** is removed.