

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.