

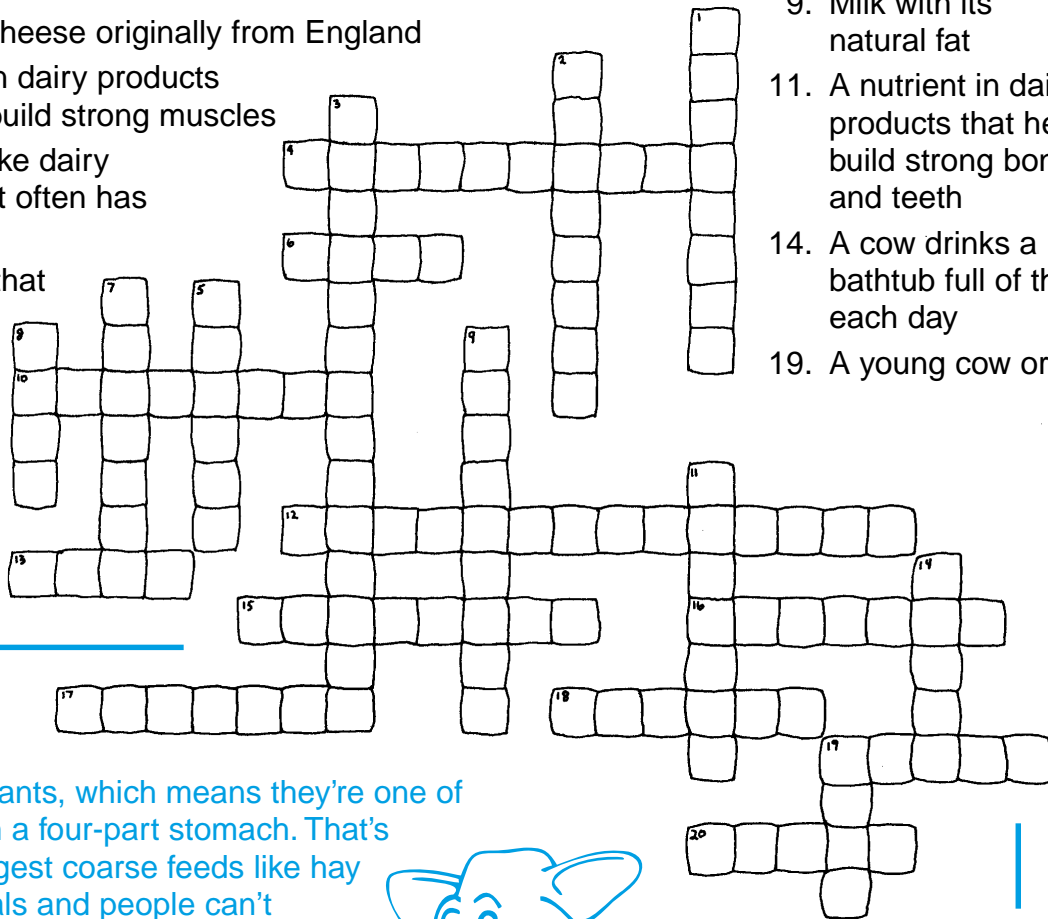
# Crossword Puzzle

## Across

4. Italian cheese used on pizza
6. Female cattle that produce milk
10. The black and white breed of dairy cattle
12. Heating to 161 degrees F for 15 seconds to kill bacteria
13. The grains eaten by livestock
15. Milk that is fat free
16. A popular cheese originally from England
17. A nutrient in dairy products that helps build strong muscles
18. A custard-like dairy product that often has fruit added
19. The solids that are made into cheese
20. Male cattle

## Down

1. Added to drinking milk to help calcium build strong bones and teeth
2. A frozen dairy dessert
3. A process that breaks milk's butterfat particles
5. Cream is churned into this spread
7. The starter that helps produce yogurt and cheese
8. The liquid part when cheese is made
9. Milk with its natural fat
11. A nutrient in dairy products that helps build strong bones and teeth
14. A cow drinks a bathtub full of this each day
19. A young cow or bull



## A Four-Part Stomach

Cows are ruminants, which means they're one of the animals with a four-part stomach. That's why they can digest coarse feeds like hay that other animals and people can't eat. It's also why they can swallow their feed quickly without chewing it well.

The feed goes into the first and second stomachs – the rumen and reticulum.

When the cow has eaten her fill, she belches up a small amount of feed – cud – to chew again.

After chewing her cud thoroughly, she swallows it, and it goes into the third stomach – the omasum.

From there it moves on to the fourth stomach – the abomasum – where digestion actually occurs.

Can you trace the path through all the stomachs?

