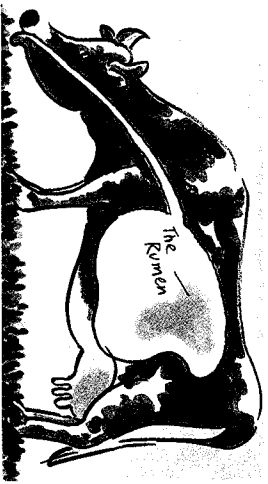


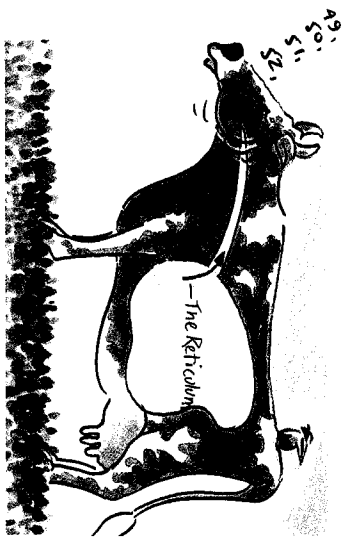
How does a COW turn grass into milk?

Cows have a most unusual system for making grass into milk. They have not just one, but a series of four stomachs – each of which performs a special function.



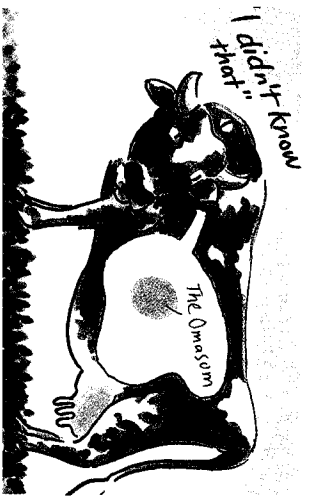
1. The Rumen

When cows graze on grass they swallow it half chewed and store it in their first stomach called the Rumen. Here it is softened by fluids before moving to the second stomach.



2. The Reticulum

In the Reticulum the grass is made softer again and formed into small wads called 'cuds'. Each cud is then returned to the mouth where the cow chews it 40 to 60 times for about one minute.



3. The Omasum

The chewed cud is swallowed into the third stomach, the Omasum, where it is pressed and broken down further.



4. The Abomasum

The grass then passes to the fourth stomach, called the Abomasum where it is digested. Finally it passes through the intestines where the cow takes out everything she needs to keep her healthy and strong. The remainder goes to the milk bag or udder.

Because a cow makes milk night and day, she needs to be milked regularly. If this doesn't happen her milk production will cease.

● Why does a brown cow give white milk when she always eats green grass?

That's the burning question, what a strange suggestion. Why does a brown cow give white milk when she always eats green grass?