

CurriculumVisions Lesson

Students: fill in next to the word answer and return the document for assessment.

Science

Book: Microbes (6B)

Pages 14-17

Everything here is based on our Curriculum Visions book Microbes (6B)

In this segment, we are going to learn about microbe plants and animals, and how we can use microbes to make food.

Part 1

You will need to go to pages 14-15 of the book. Why are algae important to life on earth?

Answer.....

Algae make oxygen and they provide food for other animals that live in the ocean and soils; humans use some types of algae for food

Where are protozoa found?

Answer.....

In water and in moist soils

Why are protozoa important for healthy soil and water?

Answer.....

They feed on old soil bacteria, leaving the young bacteria. They release nitrogen and phosphorus, which are important fertilisers. They are used in waste treatment to break down sewage.

What type of protozoa are harmful?

Answer.....

Parasites

Part 2

Go to pages 16-17. How do yeast make bread rise?

Answer.....

They eat the sugars in the dough and produce carbon dioxide. When the bread is baked, the yeast die and the carbon dioxide expands, raising the dough and making 'holes' in it.

What other foods or drinks are made with yeast?

Answer.....

Beer and wine

How do microbes make cheese?

Answer.....

Bacteria/fungus release chemicals called enzymes that curdle the milk and give it flavour. They also stop the growth of harmful bacteria. Some bacteria release carbon dioxide gas, which can be used to make holes in some cheeses.

What did Louis Pasteur do?

Answer.....

He found a way to make fresh milk safe to drink - pasteurisation.

If you are interested in this topic continue to browse the book and watch our amazing videos. They start right on the book cover.