

## UNIT 3 THE FUNGI AND OTHER KINGDOMS

**FUNGI.** Fungi are classified into two groups:

Yeasts	Unicellular
Mushrooms and moulds	Multicellular

### Fungi and food

Fungi are used to make different foods and drinks.

- **Yeasts** are used to make bread, beer and wine.
- Some cheeses are made using **mould**.
- Fungi that produce **edible mushrooms** are used in cooking.
- **Truffles** have a distinctive flavour and are used in many recipes.



truffles

**PROTISTS.** Protists include protozoa and algae:

<b>Protozoa</b>	<ul style="list-style-type: none"><li>• Unicellular organisms.</li><li>• Live in aquatic environments (fresh and salt water)</li><li>• Feed on other living things.</li><li>• Some protozoa cause diseases.</li></ul>
<b>Algae</b>	<ul style="list-style-type: none"><li>• Unicellular or multicellular.</li><li>• Aquatic living things.</li><li>• Make their own food.</li></ul>

## BACTERIA AND VIRUSES

**Bacteria** are unicellular organisms.

They are the smallest and simplest living things.

They can live in all kinds of environments.

They can only be seen through a microscope.

They can be beneficial or harmful.

## Microorganisms and food

Like yeasts, bacteria are used in the food and drink industry.

Some bacteria are used to turn milk into **yogurt**.

Certain types of bacteria give cheese specific flavours and smells.



**Viruses** are so small that we can only see using an electron microscope. They can only reproduce inside other living things. This can cause disease. They cannot move by themselves, but they can be transmitted in the air or by physical contact.

### ACTIVITIES. UNIT 3 THE FIVE KINGDOMS

1. Copy the table in your notebook. Then tick (✓).

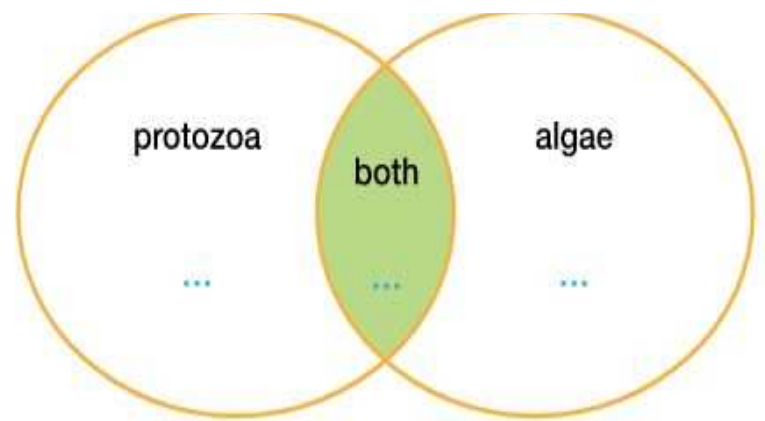
	bacteria	viruses
They can live inside other living things.		
They can cause disease.		
They are the smallest living things.		
They can only be seen with an electron microscope.		

2. Look at the pictures. Write a sentence about which fungi are used to make each of these foods.



3. Copy and complete the diagram in your notebook.

- a. Where do the organisms live?
- b. Are they unicellular or multicellular?
- c. How do they eat?



4. Copy the sentences in your notebook. Then write *T* (true) or *F* (false). Correct the sentences that are false.

- a. Bacteria only live in aquatic environments.
- b. Bacteria can be many different shapes.
- c. Viruses can reproduce anywhere.
- d. Viruses can be transmitted by physical contact or in the air.

5. Copy and correct the following sentences in your notebook.

- a. Protozoa live in dry environments.
- b. Protozoa are part of the plant kingdom.
- c. Amoebas, paramecia and bacteria are all types of protozoa.

Look at the pictures below and answer the questions in your notebook.

- a. Which of the images shows a protozoon and which shows algae?
- b. Which of these organisms is unicellular?
- c. Which one can make its own food?

