

LQ: Can I describe and investigate helpful and harmful microorganisms?

### Microorganisms

What is a microorganism?

In your books write a short description.

<https://www.bbc.co.uk/education/clips/zggvr82>



LO: I can sort helpful and harmful microorganisms.

An Amazing Fact a Day!

## Amazing Microorganisms

The largest single living organism on Earth is a honey mushroom fungus in Oregon, USA, which covers an area of 2200 acres, or about 1700 football pitches!

Fungi are a group of living organisms which are classified in their own kingdom. This means they are not animals, plants or bacteria.

There are three main types of microorganism:

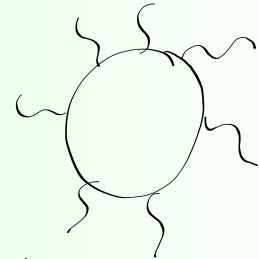
**viruses, bacteria, fungi**

Some microorganisms are helpful, yet others can be very harmful. Sort the microorganisms and their products into the table below.

- |          |             |            |           |              |
|----------|-------------|------------|-----------|--------------|
| yeast    | yoghurt     | mould      | mushrooms | germs        |
| bacteria | virus       | fungi      | flea      | lice         |
| tick     | antibiotics | penicillin | plankton  | vaccinations |

Helpful	Both	Harmful

My microorganism



My microorganism is helpful because  
 . . . .

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Answers-

Helpful	Both	Harmful
<b>antibiotics</b>	<b>bacteria</b>	<b>tick</b>
<b>yoghurt</b>	<b>mushrooms</b>	<b>flea</b>
<b>penicillin</b>	<b>yeast</b>	<b>germs</b>
<b>plankton</b>	<b>mould</b>	<b>lice</b>
<b>vaccinations</b>	<b>fungi</b>	<b>virus</b>

### LQ: Can I describe and investigate helpful and harmful microorganisms?

Microorganisms can be both useful and harmful. They can cause disease. Which of these symptoms are caused by microorganisms?

Symptoms	Tick or Cross
A nose bleed	
A broken arm	
A stomach bug	
A graze	
A bruise	
A cold	
Toothache	
Chicken pox	

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Microorganisms can be very useful in breaking down materials.  
Which of these materials can be broken down by microorganisms?

Materials	Tick or Cross
Dead bird	
Grass cuttings	
Pile of leaves	
Coins	
Glass bottle	
Disposable peelings	
Plastic bag	