Lesson 4



LO: To know what a microorganism is

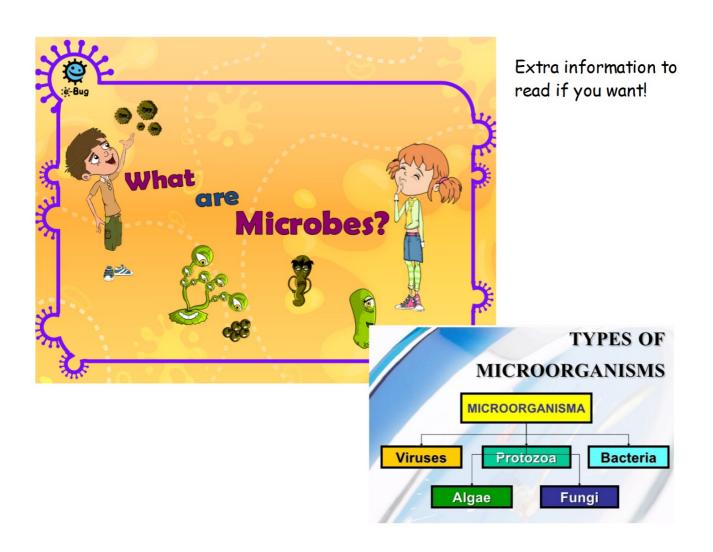
- I can name some microorganisms
- I know how some microorganisms are used in a positive way
- I understand that some microorganisms are dangerous



While you watch/pause, can you complete the micro-organisms table.

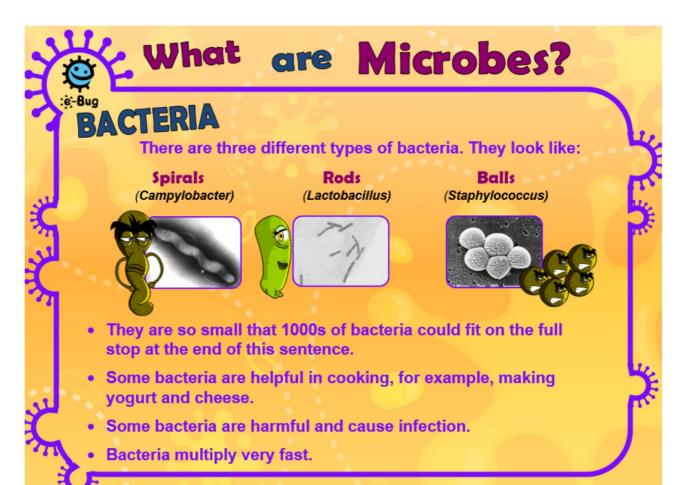
Some children may want to work as a small group with a scribe.

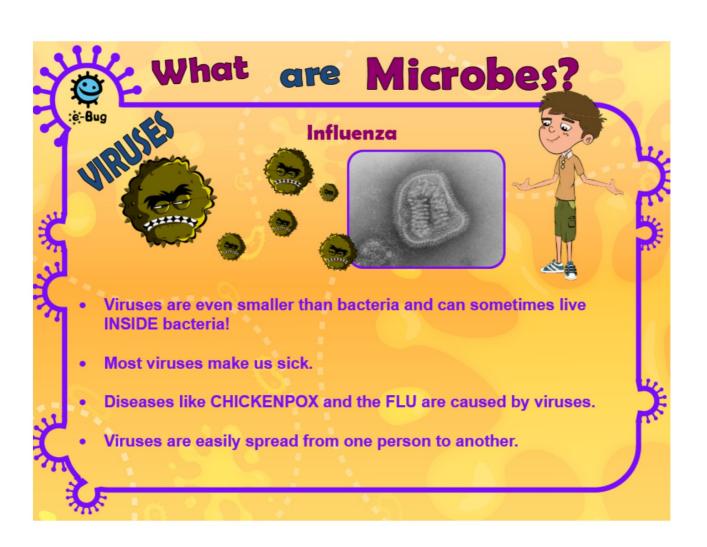
Micro-organism	<u>Positives</u>	<u>Negatives</u>	Extra information
Bacteria			
Virus			
Fungi			
Algae			
Protozou.			

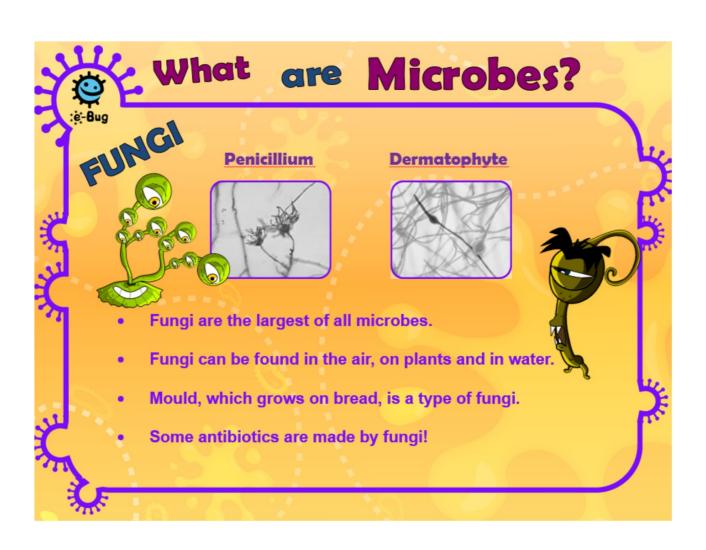




- They are so small we need a microscope to see them
- They come in different shapes and sizes
- They are found EVERYWHERE!
- Some microbes are useful or even good for us
- Some microbes can make us ill







<u>Mirco-organism sort</u>

Cut the microbes up into cards.

Your task is to sort the cards into most to least dangerous to most dangerous.

Did you get the same as other groups? Discuss as a class.

Now group them into useful and not useful. Do any of them fit into both categories?

Bread Mould	Algal Blooms	Measles
The bacterium Penecillium Notatum causes blue-green mould on bread. This is the mould that is used to make the antibiotic penicillin.	An algal bloom is a large mass of algae that grows in the sea where fertiliser has been washed out of the soil or where sewage has been released. The algae limits the light available to ocean plants and damages the environment.	Measles is caused by a virus and can be caught by breathing in infected water droplets in the air. It is one of the most highly infectious viruses known and causes high temperatures and a red rash all over the body.
Sleeping Sickness Fizzy drinks		Stomachs of cows, sheep and
Sleeping sickness is caused by a protozoa that is carried by the tsetse fly. When somebody is bitten by a fly the person can become infected. The disease affects the brain and	Fizzy drinks are often made with citric acid which, in turn, is made by feeding sugar to the fungus aspergillus niger. Citric acid has a sour taste and stops fizzy drinks going bad.	goats The stomachs of some herbivores contain a fungus that breaks down the fibrous parts of plants like grass into nutritious substances that help keep the animals healthy.

kill them if they are not

Photos for books