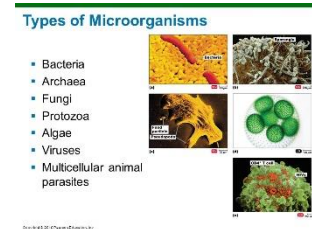


# Stop Bugging Me

60+ minutes



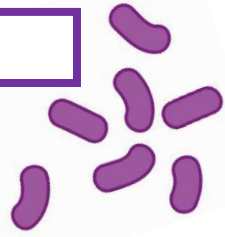
You are going to learn about [microorganisms](#). (Click on the link for a definition) They are everywhere. Scientists estimate that there are at least 1 trillion (1000000000000!) different species on Earth- that's a lot of tiny bugs. In fact, there are trillions of them crawling on your body right now. You will learn some important facts about microorganisms such as their size, how they are classified, and how they are both harmful and beneficial to humans.

## Carefully read the instructions below to complete this lesson!

1. View this short video on microorganisms(also known as microbes)  
<https://www.youtube.com/watch?v=aPmPep2r6uo>
2. A short PowerPoint to view: “**What are Microbes**”. You will find it on the teacher page
3. A short video on the size of microbes:  
[https://www.youtube.com/watch?v=nfdwt\\_6b4Qs](https://www.youtube.com/watch?v=nfdwt_6b4Qs)
4. After looking at the videos and PowerPoint, try the **quiz** on the next page. Answers will be posted at the end of the week.
5. Complete the **drawing activity**, “What are Microbes”. You can print the sheet if you wish or draw it on a separate page. **Please share your all of your work to Microsoft Teams.**

# Quiz

Name:



*Please tick as many answers as appropriate*

## Which of these are microbes?

Bacteria	<input type="checkbox"/>
Virus	<input type="checkbox"/>
Antibiotic	<input type="checkbox"/>
Fungi	<input type="checkbox"/>

## The smallest microbe is a:

Bacterium	<input type="checkbox"/>
Virus	<input type="checkbox"/>
Fungus	<input type="checkbox"/>
They are all the same size	<input type="checkbox"/>

## Microbes are found:

In the air	<input type="checkbox"/>
On our hands	<input type="checkbox"/>
On surfaces	<input type="checkbox"/>
Everywhere	<input type="checkbox"/>

## Which foods or drinks are produced through the growth of microbes?

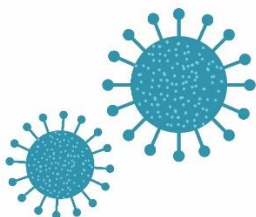
Cheese	<input type="checkbox"/>
Bread	<input type="checkbox"/>
Yoghurt	<input type="checkbox"/>
Fizzy drinks	<input type="checkbox"/>

## Microbes:

Are all bad/harmful	<input type="checkbox"/>
Are all useful	<input type="checkbox"/>
Can be harmful or useful	<input type="checkbox"/>
Have no effect on the human body	<input type="checkbox"/>

## Which of these microbes causes the common cold?

Bacteria	<input type="checkbox"/>
Virus	<input type="checkbox"/>
Fungi	<input type="checkbox"/>





e-Bug



### Top Tip

Bacteria come in lots of different shapes and sizes – some are round like balls, some are like spirals and some are long like rods. Some even use tail like structures to help them swim and move!

# What are Microbes?

## Make your own Microbe



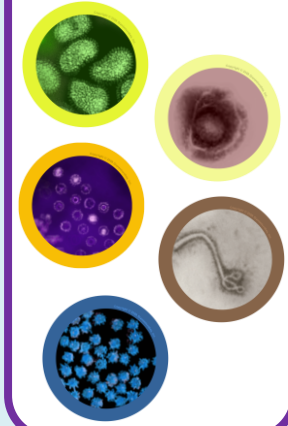
Design a microbe of your choice, either a bacterium, a virus or a fungus using the materials provided.

Before you start, decide if your microbe will be beneficial or harmful! Here are some pictures which might help!

### Bacteria



### Viruses



### Fungi



## Draw your microbe here

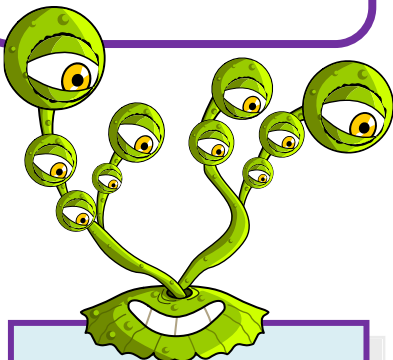
### My Observations

1. Is it a beneficial or harmful microbe?

\_\_\_\_\_

2. Choose a name for your microbe.

\_\_\_\_\_



### Fascinating Fact

YOU are home to 1000 million microbes!

This is a picture of my \_\_\_\_\_

