

LO: To identify three types of micro-organisms

Starter

animals can be divided into two main groups vertebrates and invertebrates. _____ do not have a _____ and include

_____ can be divided into five small groups _____
_____ these animal all have a _____

As you come in, write the definitions on your board:

we
do

Glossary:

beneficial

rapidly

decomposing

pathogenic

non pathogenic

we
do

Glossary:

beneficial - good

rapidly - quickly

decomposing -decays/breaks down

pathogenic - causes disease

non pathogenic - not causing disease

Pronunciations:

Agaricus

Staphylococcus

Lactobacillus

Rhizobacterium

cocci - 'coci'

bacilli

staphylococci

streptococci

diplococci



1st Read

we
do

Read the text thinking about the following questions:

1. How big are microbes?
2. What are the 3 main groups of microbes?
3. Define staphylococci
4. Define streptococci
5. Define diplococci

we
do

2nd read -

How is the text organised?

I
do

VIRUSES




- are even smaller than bacteria and can sometimes live INSIDE bacteria!
- Some make us sick.
- Diseases like CHICKENPOX and the FLU are caused by .
- can spread from one person to another but it depends on the type of

we
do

- There are three different types of . They look like:

Spirals

(Campylobacter)

Rods

(Lactobacillus)

Balls

(Staphylococcus)

- are so small that 1000s could fit on the full stop at the end of this sentence.
- Some are helpful in cooking, for example, making yogurt and cheese.
- Some are harmful and cause infection.

Penicillium

Dermatophyte

- are the largest of all microbes.
- can be found in the air, on plants and in water.
- Mould, which grows on bread, is a type of
- Some antibiotics are made by

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VIRUSES

Influenza



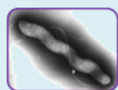
- Viruses are even smaller than bacteria and can sometimes live INSIDE bacteria!
- Some viruses make us sick.
- Diseases like CHICKENPOX and the FLU are caused by viruses.
- Viruses can spread from one person to another but it depends on the type of virus.

BACTERIA

- There are three different types of bacteria. They look like:

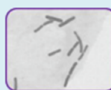
Spirals

(*Campylobacter*)



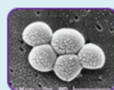
Rods

(*Lactobacillus*)



Balls

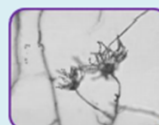
(*Staphylococcus*)



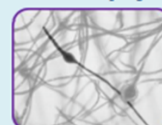
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FUNGI

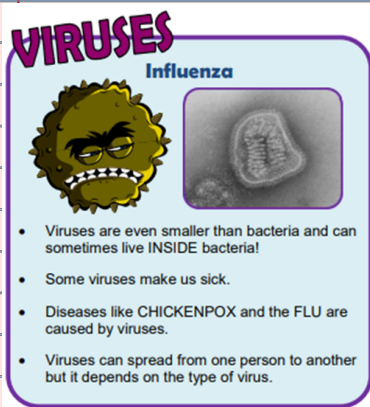
Penicillium



Dermatophyte



- Fungi are the largest of all microbes.
- Fungi can be found in the air, on plants and in water.
- Mould, which grows on bread, is a type of fungus.
- Some antibiotics are made by fungi!

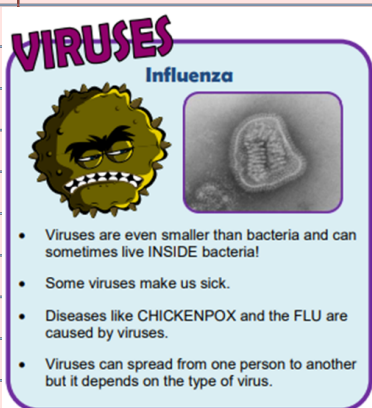


I
do

Viruses:

Viruses are the smallest of the microbes and are generally harmful to humans.

Viruses cannot survive by themselves. They need a 'host' cell in order to survive and reproduce. Once inside the host cell, they rapidly multiply and destroy the cell in the process!



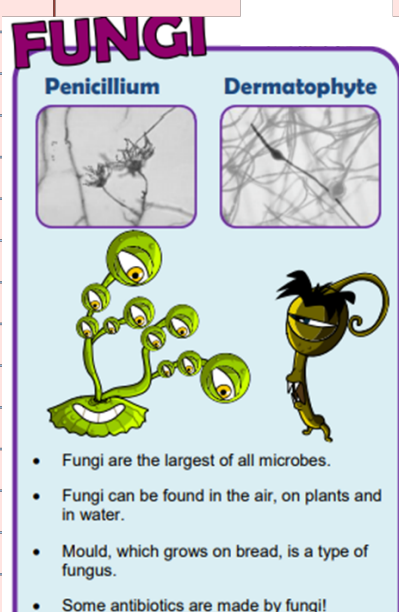
I
do

Viruses:

Although all micro-organisms are small, viruses are the smallest; they are small enough to live inside bacteria! Viruses can make people ill; they can't survive by themselves so can spread from one person to another which allows them to survive and reproduce rapidly.

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Viruses cannot survive by themselves. They need a 'host' cell in order to survive and reproduce. Once inside the host cell, they rapidly multiply and destroy the cell in the process!



we
do

Fungi:

Fungi obtain their food by either decomposing dead organic matter or by living as parasites on a host. Fungi can be harmful by causing infection or being poisonous to eat; others can be beneficial or harmless, e.g. Penicillium which produces the antibiotic penicillin. There are also fungi that are not microbes and some that can be eaten like Agaricus, commonly known as the white button mushroom.

VIRUSES

Influenza



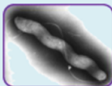
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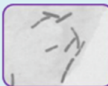
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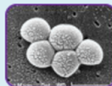
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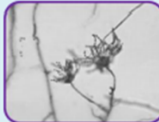
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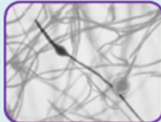
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 <https://www.bbc.co.uk/bitesize/clips/zr7jmp3>

 <https://www.bbc.co.uk/bitesize/clips/zgj8q6f>

LO: To present examples of animals in the five vertebrate groups

we
do

Present your key findings about vertebrates.

