



Mushrooms

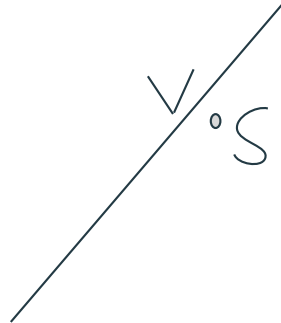
Made By Caolain (grade 3)

What is a mushroom?

Lets start of easy. What *is* a mushroom? A mushroom is a type of fungi. A fungi is not a plant. It has its own kingdom. Okay, a little confusing? I will explain. There are 3 different kingdoms of different living things. The animal kingdom, the plant kingdom and the fungi kingdom. In the fungi kingdom, there are millions of different types. For example: MUSHROOMS, toadstools, yeast. So fungi is a kingdom and mushrooms are in it! They are a LOT different from plants.

Differences and similarities

Mushrooms are different from plants because (A) They have a root structure and plants have just roots, (B) they have different shapes and lastly they have their own kingdom. Fungi are more related to animals than plants to. They are similar because (A) they can have the same shape and color, (B) the mushrooms can be deadly and harmful and so can plants, and lastly both have kingdoms. But plants are less related to us and fungi are more related to us.



How are they related to us?

Study shown that the fungi kingdom is more related to humans/animals than plants. That is because plants and fungi split away 1.1 billion years ago and animals and fungi separated on a tree of life that made mushrooms/fungi more closely related to us.





Different Varieties of Fungi and mushrooms

Mushroom varieties:

Monkey heads

Burnt trich

Latycocus (late-ee-coc-us)

Common mushrooms

Fungi Varieties:

Yeasts

Molds

Toadstools

MUSHROOMS

FUN FACT!



There are 1.5 million species of fungi!

Mushroom roots

MYCELIUM



Mushrooms do not have roots. They have a root structure called mycelium (my-cee-lee-um).

Most people do not know this but mycelium can communicate to nearby trees and tell if something harmful is coming.

Mycelium

Helping Heroes

Some mushrooms that can help us and you are:

Lentinus eodos (shiitake sounds like sha-tak-ee) a cancer fighting mushroom in Asia.

White mushroom a mushroom with more potassium than a banana.

Mushrooms are very helpful to our Earth!

Fun Facts

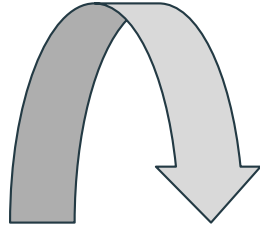
- Some mushrooms can be as tiny as your fingernail or as big as a tree stump!
- Mushrooms have 16 billion spores on them!
- Eben bayer and Gavin McIntyre makes mycelium packaging materials but has gotten more broad and now make tiny houses!
- Mushrooms are 92%water!

More broad mushroom facts

- There are 1.5million species of fungi
- Don't eat mushrooms from the wild if picked by yourself. Most mushrooms are deadly
- There is always a leader of a mushroom group which will let more mushrooms grow on it

What to become a Mushroom Maestro

Then click right here!



**Microbes, Mycelium &
Magic | Eben Bayer | HT
Summit 2017 - YouTube**

<https://www.youtube.com/watch?v=g1O-1RRgcc4>

Thank you for watching!



Any questions? Ask Caolain!