



High School Science Virtual Learning

Applied Biological Science

Fungi & Life Cycle

April 20, 2020



High School Applied Biological Science

Lesson: April 20, 2020

Objective/Learning Target:

Students will be able to define what a Fungus is and describe its life cycle.



Let's Get Started: **Answers**

1. Bell ringer 1 Answer

-A microbe, or “microscopic organism,” is a living thing that is too small to be seen with the naked eye. We need to use a microscope to see them.

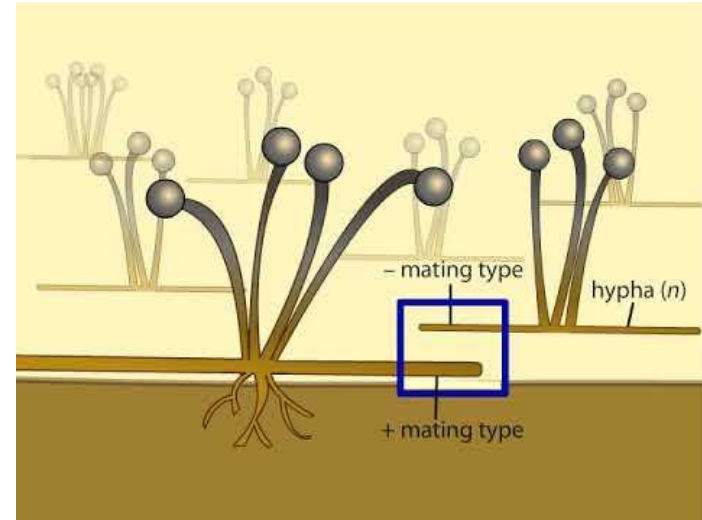
2. Bell ringer 2 Answer

-Fungi are single-celled or multicellular organisms with nuclei and with cell walls made of chitin. Fungi are important decomposers in most ecosystems. Familiar fungi include yeasts, molds, and mushrooms.

Lesson Activity:

Directions: Using the video and link to microbiology society, take notes on Fungi and their life cycle.

Link(s): [Introduction to Fungi](#)





Practice

You will use the notes you took, the video, and the link to answer the following questions.



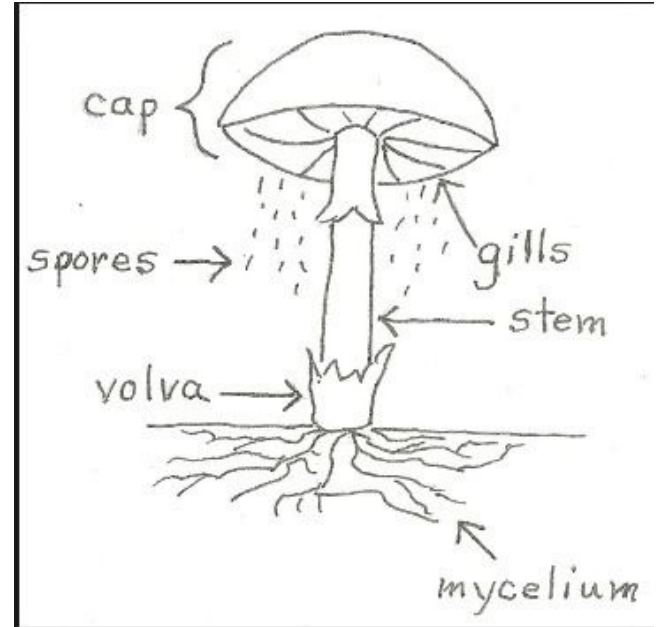
Practice Questions

1. Name two ecological roles of fungi.
2. What are two fungi food sources?
3. Name and describe two fungal diseases.
4. Explain why it is hard to find fossil records in layers of rock.
5. Where was the oldest fungal fossil found, and how old is it?
6. Draw and label a diagram of a mushroom. Include cap, gills, stem, mycelium, spores, and volva.

Answer Key

Once you have completed the practice questions check with the work.

1. Two ecological roles include breaking down dead organic material, and many vascular plants could not grow without fungi that inhabit their roots and supply essential nutrients.
2. Two fungi food sources include mushrooms like morels and bread.
3. Two fungal diseases include ringworm and athlete's foot.
4. It is typically hard to find fungi in the fossil record because their fossils tend to be microscopic.
5. Chytrid-like forms from the Vendian Period found in north Russia.
6. Picture to right:





More Practice

You will use the information from the activity on slide 3 to answer the following questions.



More Practice Questions

Click on the links below for more practice on understanding Fungi.

[The Fungus Files](#)

[Anatomical Anagrams](#)

Additional Practice/Resources

Watch the video on Parasitic Fungi.

[Video on Parasitic Fungi](#)

