

## Questions for Fungus Tutorial

1. What is the given name to the branch of biology that studies fungus?  
mycology
2. A fungus spends most of its life as a haploid organism. What is meant by this?  
It has only one set of chromosomes or half the number of chromosomes
3. What is:
  - a. The name given to the vegetative part of a fungus? hyphae
  - b. The name given to a bunch / mass of these structures? mycelium
4. What:
  - a. Is the name given to modified mycelia which have spore forming structures?  
Sporangium / sporangia
  - b. Is the function of these structures  
To produce spores
  - c. Are two different examples of these structures  
Basidia and Conidia
5. What are saprophytes?  
Organisms that will absorb nutrients that have been broken down from the surrounding environment. They are decomposers / recyclers.
6. What are parasites?  
Organisms that feeds off of another living organism known as the host.
7. What are mycorrhizae?  
Fungal roots that are associated with plant roots in a mutualistic symbiotic relationship.
8. Lichens are an example of a symbiotic relationship between what two organisms?  
A sac fungus and a green alga
9. What are two important functions of lichens?
  - They are indicators of pollution
  - They are pioneer species that make soil
10. Why are lichens beneficial to barren areas such as bare rock, volcanic ash, & burned forests?  
Because they will create soil in an area where there either wasn't any before or where something has happened to remove some of the soil and it needs to be replaced. They prepare the soil for other plants
11. What are the beneficial roles of fungi?  
Produce antibiotics, make food such as cheese, food source, decomposers
12. How are two separate strains of fungus indicated?  
With a + or a – sign. It shows that they are two different individuals.