

Kingdom Fungi Review Sheet

1. Define:

- Mycology
- Heterotrophic
- Saprobies
- Parasites
- Hyphae
- Mycelium
- Stolon
- Rhizoids
- Fission
- Budding
- Fragmentation
- Dikaryotic (N + N)
- Haploid (N)
- Diploid (2N)
- Mycorrhizae
- Lichens
- Sporangiphore
- Sporangium/ sporangia
- Gametes
- Gametangium / gametangia
- Fruiting body

2. Know the general characteristics of Kingdom Fungi

3. Draw the body plan of:

- a. A typical mold
- b. A mushroom

4. Know the general life cycle of sexual reproduction in fungus and explain what occurs at each stage.

5. Know the different forms of reproduction of fungus

6. Describe the characteristics of the 3 Phyla: Mastigomycota, Amastigomycota, & Deuteromycota.

7. Describe the following classes of fungus:

- a. Zygomycetes
- b. Ascomycetes
- c. Basidiomycetes

8. Explain why fungi are classified as a separate kingdom rather than part of the Kingdom Plantae?

9. How are lichens important in our environment?

10. Explain the beneficial roles of fungi in our environment.