

## Fungi Quiz PDF

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**What is the term for the network of filaments in fungi?**

- Mycelium
- Sporangium
- Thallus
- Rhizoid

**Which of the following is an example of a pathogenic fungus?**

- Penicillium
- Saccharomyces
- Aspergillus
- Trichophyton

**How do fungi differ from plants in terms of nutrition and cellular structure?**

**Which of the following are examples of fungi? (Select all that apply)**

- Yeasts
- Algae
- Molds
- Lichens

**Which of the following are roles of fungi in ecosystems? (Select all that apply)**

- Decomposition
- Photosynthesis
- Symbiosis with plants
- Nitrogen fixation

**Which of the following is a characteristic of fungi?**

- Photosynthesis
- Cell walls made of cellulose
- Absorption of nutrients
- Presence of chlorophyll

**What are common methods of fungal reproduction? (Select all that apply)**

- Budding
- Fragmentation
- Binary fission
- Spora formation

**What are the potential health risks associated with mycotoxins produced by fungi?**

**Explain how fungi contribute to nutrient cycling in ecosystems.**

**Which of the following fungi produce antibiotics? (Select all that apply)**

- Penicillium
- Aspergillus
- Saccharomyces
- Trichoderma

**Describe the symbiotic relationship between fungi and algae in lichens.**

**Which fungi are commonly used in the food industry? (Select all that apply)**

- Saccharomyces cerevisiae
- Penicillium
- Rhizopus
- Amanita

**Why is the conservation of fungal biodiversity important for ecosystems?**

**Which process is not a method of asexual reproduction in fungi?**

- B) Budding
- Binary fission
- Spora formation
- Conjugation

**What are the benefits of mycorrhizal fungi to plants? (Select all that apply)**

- Enhanced water absorption
- Increased photosynthesis
- Improved nutrient uptake
- Protection from pathogens

**What type of symbiotic relationship do mycorrhizae represent?**

- Parasitism
- Commensalism
- Mutualism
- Predation

**What is the primary component of fungal cell walls?**

- Cellulose
- Chitin
- Lignin
- Keratin

**Discuss the role of fungi in biotechnology and industrial applications.**

**Which group of fungi is known for bread molds?**

- Ascosmycota
- Basidiomycota
- Zygomycota
- Chytridiomycota

**Which fungal group includes mushrooms and puffballs?**

- Zygomycota
- Ascosmycota
- Basidiomycota

Glomeromycota