

**Protists and Fungi** ▪ *Guided Reading and Study*

# Fungi

*This section explains what fungi are, how they get food, and their role in the environment.*

## Use Target Reading Skills

*Before you read, preview the red headings. In the graphic organizer below, ask a what or how question for each heading. As you read, write answers to your questions.*

### Fungi

Question	Answer
What are fungi?	Fungi are . . .

## What Are Fungi?

1. Circle the letter before each sentence that is true about fungi.
  - a. All fungi are multicellular organisms.
  - b. Most fungi are eukaryotes.
  - c. Most fungi use spores to reproduce.
  - d. Most fungi are autotrophs.
2. What are three examples of fungi?

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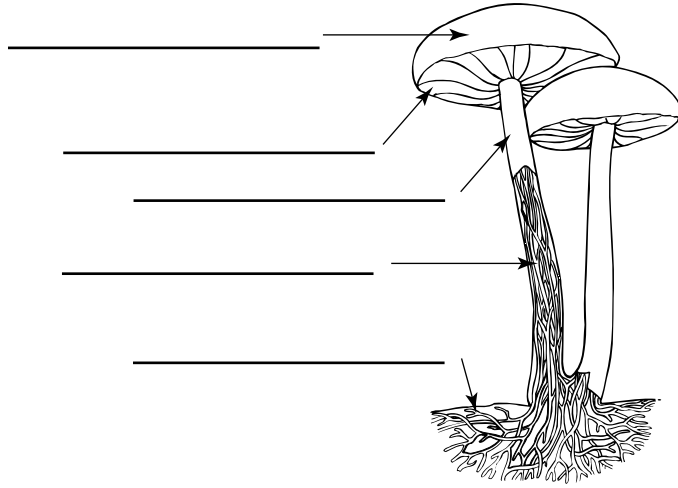


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**Fungi** *(continued)*

- The cells of fungi are arranged in branching, threadlike tubes called \_\_\_\_\_
- Is the following sentence true or false? Fuzzy-looking molds that grow on food have hyphae that are packed tightly together. \_\_\_\_\_
- Identify the structures of the mushroom shown here.



- Describe the process by which a fungus feeds.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- Is the following sentence true or false? Some fungi are parasites.

\_\_\_\_\_

**Reproduction in Fungi**

- Most fungi reproduce by making \_\_\_\_\_.
- Yeast cells reproduce asexually in a process called \_\_\_\_\_.
- Is the following sentence true or false? Fungi reproduce sexually when growing conditions become unfavorable. \_\_\_\_\_
- What are the three major groups of fungi?
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_

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**The Role of Fungi in Nature**

12. Fungi that are \_\_\_\_\_ break down the chemicals in dead organisms.
13. Is the following sentence true or false? Certain kinds of fungi cause diseases in plants and in humans. \_\_\_\_\_
14. Some molds produce \_\_\_\_\_, substances that kill bacteria.
15. How do some fungi help plants grow larger and healthier?
16. An organism that consists of a fungus and either algae or autotrophic bacteria that live together in a mutualistic relationship is a(n) \_\_\_\_\_. The fungus provides the algae or autotrophic bacteria with \_\_\_\_\_. The algae or autotrophic bacteria provide the fungus with \_\_\_\_\_.