

Chapter 21 Fungi

Chapter Vocabulary Review

Matching *On the lines provided, write the letter of the definition that best matches each term on the left.*

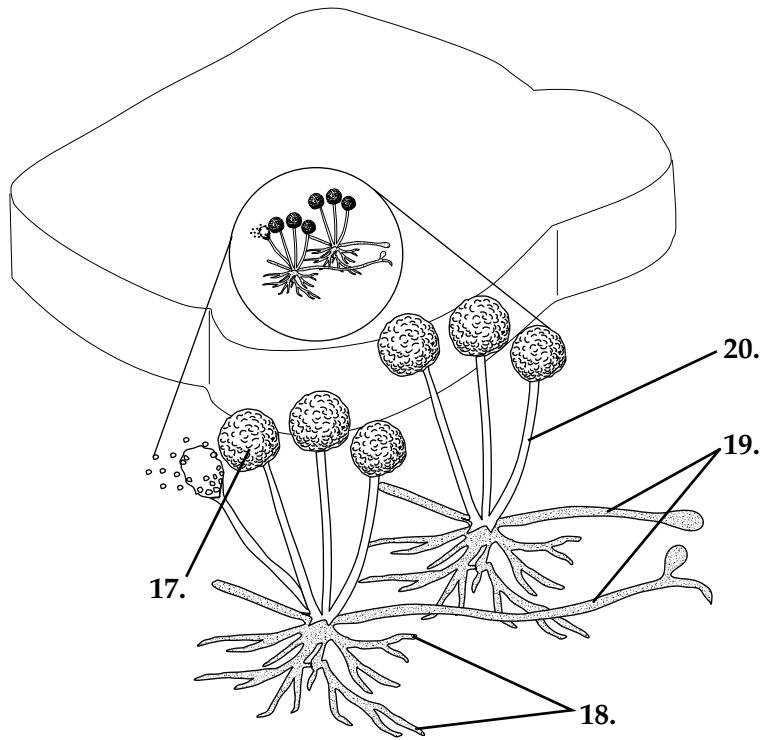
- | | |
|-------------------------|---|
| _____ 1. hyphae | a. rootlike hypha that penetrates food surfaces |
| _____ 2. chitin | b. stemlike hypha that runs along food surfaces |
| _____ 3. mycelium | c. complex carbohydrate found in cell walls of fungi |
| _____ 4. sporangium | d. structure in which spores are produced |
| _____ 5. sporangiophore | e. thick mass of hyphae |
| _____ 6. gametangium | f. tiny spores formed at the tips of specialized hyphae |
| _____ 7. rhizoid | g. contains zygotes formed during the sexual phase of the mold's life cycle |
| _____ 8. stolon | h. specialized hypha that ends in a sporangium |
| _____ 9. zygospore | i. tiny filaments that make up multicellular fungi |
| _____ 10. conidia | j. gamete-forming structure |

Multiple Choice *On the lines provided, write the letter of the answer that best completes the sentence or answers the question.*

- _____ 11. What is the name of the reproductive structure in ascomycetes that contains spores?
- | | |
|---------------|-------------|
| a. sporangium | c. conidium |
| b. ascus | d. basidium |
- _____ 12. In ascomycetes, the eight cells produced after meiosis and mitosis are known as
- | | |
|----------------|----------------|
| a. ascospores. | c. basidia. |
| b. conidium. | d. gametangia. |
- _____ 13. In basidiomycetes, what is the reproductive structure that resembles a club called?
- | | |
|---------------------|-----------------|
| a. a stolon | c. a basidium |
| b. a sporangiophore | d. an ascospore |
- _____ 14. What structure forms at the edge of a basidium?
- | | |
|---------------|-------------------|
| a. a rhizoid | c. a basidiospore |
| b. a conidium | d. a gametangium |
- _____ 15. What is the name of the symbiotic association between a fungus and a photosynthetic organism?
- | | |
|------------|-----------|
| a. conidia | c. stolon |
| b. chitin | d. lichen |
- _____ 16. What is the association of a plant root and a fungus called?
- | | |
|----------------|-------------------|
| a. gametangium | c. sporangiophore |
| b. mycorrhiza | d. rhizoid |

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Labeling Diagrams *On the lines provided, label the different parts of the diagram of the bread mold below.*



- 17. _____
- 18. _____
- 19. _____
- 20. _____