

Section 20–5 Funguslike Protists (pages 516–520)

This section explains the similarities and differences between funguslike protists and fungi. It also describes the defining characteristics of the slime molds and water molds.

Introduction (page 516)

1. How are funguslike protists like fungi? _____

2. How are funguslike protists unlike most true fungi? _____

Slime Molds (pages 516–518)

3. What are slime molds? _____

4. Cellular slime molds belong to the phylum _____.
5. Is the following sentence true or false? Cellular slime molds spend most of their lives as free-living cells. _____
6. What do cellular slime molds form when their food supply is exhausted? _____

7. What structure does a cellular slime mold colony produce, and what is that structure's at function _____

8. Acellular slime molds belong to the phylum _____.
9. What is a plasmodium? _____

10. The plasmodium eventually produces sporangia, which in turn produce haploid _____.

Water Molds (pages 518–519)

11. Water molds, or oomycetes, are members of the phylum _____.
12. Water molds produce thin filaments known as _____.

Name _____ Class _____ Date _____

13. What are zoosporeangia? _____

14. Where are male and female nuclei produced in water mold sexual reproduction?

15. Fertilization in water molds occurs in the _____.

Ecology of Funguslike Protists (page 519)

16. Why aren't there bodies of dead animals and plants littering the woods and fields you walk through? _____

17. What are examples of plant diseases that water molds cause? _____

Water Molds and the Potato Famine (page 520)

18. What produced the Great Potato Famine of 1846? _____

19. What did the Great Potato Famine lead to? _____

WordWise

Solve the clues by filling in the blanks with vocabulary terms from Chapter 20. Then, write the numbered letters in the correct order to find the hidden message.

Clues

Vocabulary Terms

Any organism that is not a plant, an animal, a fungus, or a prokaryote

1 _ _ _ _ _

Very small, bottle-shaped structure on a paramecium used for defense

_ 2 _ _ 3 _ _ 4

Hairlike projection similar to a flagellum

_ _ _ 5 _ _

Spore-producing organism

6 _ _ _ _ _ 7 _ _

Cluster of red pigments on euglenas that helps the organism find sunlight

_ _ _ 8 _ _ _

Long, threadlike colony of green algae

_ _ _ 9 _ _ _ _

Larger nucleus in a paramecium

_ _ _ 10 _ _ _ _ _ 11 _ _ _

Temporary projection of cytoplasm

_ _ 12 13 _ _ _ _ _

Population of photosynthetic organisms near the surface of the ocean

_ _ _ _ _ _ _ _ 14 _ _ _ _

Thin filaments of water molds

_ _ _ _ 15

Small nucleus of paramecium

_ _ _ 16 _ _ _ _ _ _ _

Gamete-producing organism

_ _ _ _ _ _ _ 17 _ _

Structure of water molds that produces female nuclei

_ 18 _ _ _ _ _

Indentation on one side of a ciliate

_ _ _ _ 19

Tough, intricate cell membrane of euglenas

_ 20 _ _ _ _ _

Structure with many nuclei formed by acellular slime molds

_ _ _ 21 _ _ _ _ _

Hidden Message:

1 2 3 4 5 6 7 8 9 10 11

12 13 14 15 16 17 18 19 20 21