

Name: _____

Score: _____/31

Use background knowledge to answer the following questions.

1. What is a cell? (1) _____

2. Write the correct life process explained by each statement: movement, respiration, sensitivity, growth, reproduction, excretion, nutrition

	Running, flying, and swimming
	Plants do this through photosynthesis
	Animals do this by eating
	People have 5 senses
	This is how living things get rid of waste
	People breath
	A puppy changing to dog
	Having a baby
	People can feel sunlight
	Animals use this to escape predators and catch food

3. Which structure surround and protects the animal cell? _____

4. Name **ONE** part found in a plant cell which is not found in an animal cell.

5. Order the terms below from smallest to largest using numbers 1-5. (5)

___system ___tissue ___organism ___cell ___organ

6. Choose the organism below that has cells that are surrounded by cell walls?



7. Which list below is arranged from simple to complex?

☐ cells → systems → organs

☐ cells → tissues → organs

☐ tissues → cells → systems

☐ organs → tissues → systems

8. Which statement about viruses is true? (1)

☐ Viruses are larger than bacteria.

☐ Viruses cause Lyme disease in humans.

☐ Viruses move by forming “false feet.”

☐ Viruses must reproduce inside living cells.

9. **‘Robert Hooke was the first person to describe cells.’** Which of the following instruments did he use to make his observations? (1)

☐ magnifying glass

☐ microscope

☐ spring scale

☐ telescope

10. Joshua is observing animal cells. He is looking at the structure that controls what enters and leaves the cell. Which structure is Joshua observing?

☐ cell membrane

☐ nucleus

☐ cell wall

☐ vacuole

11. Which of the following parts is responsible for controlling cell reproduction?

☐ chloroplast

☐ cytoplasm

☐ nucleus

☐ vacuole

12. Which of the following structures in the plant cell is responsible for the production of food?

☐ cell membrane

☐ chloroplast

☐ nucleus

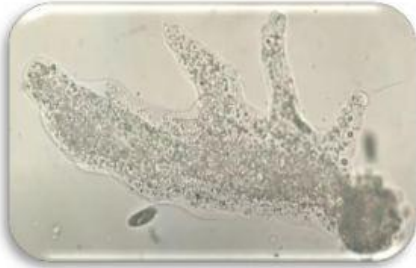
☐ vacuole

Protists, Bacteria, and Fungi

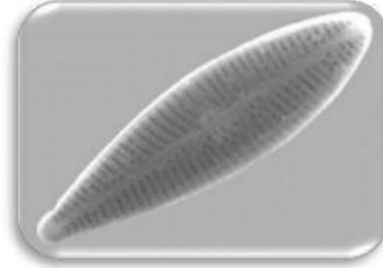
1. In what ways are all fungi alike? _____

2. Name the four types of fungi.

3. Using the diagrams below, name the organism which is an example of an animal-like protist and a plant-like protist.



Amoeba



Diatom

- i. an animal-like protist: _____(1)
- ii. a plant-like protist: _____(1)
4. Which **TWO** conditions do fungi grow best in?
- _____
5. **‘Fungi are plantlike organisms but cannot make their own food.’** Select how each fungi below gets its food.
- i. mushroom _____
- ii. mold _____
6. **‘Yeast is a fungus that helps bread to rise. It eats sugar and releases a gas to make the bread rise.’** Name the gas that is produced.
- _____
7. Name a type of fungi that is a parasite. _____

8. Which type of fungus is used to make penicillin?

☐ mildew

☐ mold

☐ mushroom

☐ yeast

9. Which of the following organisms shown below has a single cell?

☐ amoeba

☐ earthworm

☐ mushroom

☐ pine tree

10. How is an amoeba different from a diatom?

☐ An amoeba can reproduce.

☐ An amoeba has pseudopods.

☐ An amoeba is a protist.

☐ An amoeba has a nucleus.

11. Which is an example of a microorganism?

☐ a beetle

☐ a rosebush

☐ a paramecium

☐ an ant

12. Which disease is caused by a fungus?

☐ chicken pox

☐ mumps

☐ pneumonia

☐ ringworm

13. Which type of organism causes bread to rise?

☐ fungus

☐ protist

☐ moneran

☐ virus

14. Fungi are important to the ecosystems because they act as:

- | | |
|--------------------------------------|---------------------------------------|
| <input type="checkbox"/> consumers | <input type="checkbox"/> decomposers. |
| <input type="checkbox"/> herbivores. | <input type="checkbox"/> producers. |

15. Which fungi listed below is used to produce an antibiotic?

- | | |
|-----------------------------------|--------------------------------|
| <input type="checkbox"/> mildew | <input type="checkbox"/> mold |
| <input type="checkbox"/> mushroom | <input type="checkbox"/> yeast |

16. Which of the following is **NOT** a characteristic of fungi?

- | | |
|---|---|
| <input type="checkbox"/> It makes its own food. | <input type="checkbox"/> It lives near moist areas. |
| <input type="checkbox"/> It is a decomposer. | <input type="checkbox"/> Most are single-celled. |

17. Which of the following is the reproductive structure of fungi?

- | | |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> flower | <input type="checkbox"/> pollen |
| <input type="checkbox"/> seeds | <input type="checkbox"/> spores |

18. Which of the following can be found in toothpaste, paint, and scrubbing powder?

- | | |
|----------------------------------|-----------------------------------|
| <input type="checkbox"/> amoebas | <input type="checkbox"/> bacteria |
| <input type="checkbox"/> diatoms | <input type="checkbox"/> yeast |