

## CHAPTER 2: Supplemental Questions

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1. Who were the first scientists to see tiny life?

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2. With a magnification of 270 times, Leeuwenhoek was able to glimpse a new category of small life, which included rod-like, ball-like, and corkscrew objects. What was this new category of life?

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3. Describe the following organisms:

Paramecium: \_\_\_\_\_

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Amoeba: \_\_\_\_\_

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Euglena: \_\_\_\_\_

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4. Name two protozoa that cause disease. \_\_\_\_\_

5. What is symbiosis? Give an example from Chapter 2.

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6. What are diatoms? \_\_\_\_\_

7. What are diatom shells made of? \_\_\_\_\_

What are they used for? \_\_\_\_\_

8. How do algae benefit the atmosphere?

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9. Algae have chlorophyll and make their own food. Why don't biologists classify them with plants?

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10. What characteristic is shared by all members of kingdom Protista?

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11. Name the five kingdoms.

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12. How do bacteria differ from Protista?

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13. What does *anaerobic* mean?

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14. Some bacteria are harmful because \_\_\_\_\_.

15. Nitrogen-fixing bacteria are beneficial because they \_\_\_\_\_.

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16. Bacteria \_\_\_\_\_ the decay of dead organic material.

17. Non-living genetic material that only comes alive inside a living cell is a \_\_\_\_\_.

18. Can viruses be seen with an ordinary optical microscope? \_\_\_\_\_

What is required? \_\_\_\_\_

# CHAPTER 1-3 TEST

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_

**FILL IN THE BLANK:** In the space below, write the word or phrase that completes each statement.

1. \_\_\_\_\_ is the category of living things that produce their own food from sunlight, carbon dioxide, and water.
2. Yeast is a member of the kingdom \_\_\_\_\_.
3. A member of kingdom Protista must be made of a single \_\_\_\_\_.
4. The first scientist to see little life in a drop of canal water was \_\_\_\_\_.
5. The Canary Islands were named for \_\_\_\_\_.
6. Guinea pigs are not pigs, but \_\_\_\_\_.
7. The scientist who developed the binomial classification system was \_\_\_\_\_.
8. The scientific name for mountain lion is Puma Concolor. Its genus is \_\_\_\_\_.  
Its species is \_\_\_\_\_. It is in the Kingdom \_\_\_\_\_.

**MATCHING:** Write the letter of the term that best matches the given statement.

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|----------------|---------------|-----------|
| A. penicillium | E. euglena    | I. cilia  |
| B. flagellum   | F. diatoms    | J. hyphae |
| C. nucleus     | G. lichen     | K. amoeba |
| D. cellulose   | H. paramecium |           |

- \_\_\_\_\_ 1. The protozoan that can change its shape.
- \_\_\_\_\_ 2. Makes up the cell walls of plants.
- \_\_\_\_\_ 3. A layer of algae sandwiched between two layers of fungi.
- \_\_\_\_\_ 4. The large underground mat that is the main body of the mushroom.
- \_\_\_\_\_ 5. The protozoan that is shaped like a slipper.
- \_\_\_\_\_ 6. A beneficial mold studied by Alexander Fleming.
- \_\_\_\_\_ 7. The name of the whiplike tail of the euglena.
- \_\_\_\_\_ 8. Bacteria differ from protozoa in that they do not have this.
- \_\_\_\_\_ 9. The small hairlike filaments that propel the paramecium.
- \_\_\_\_\_ 10. Alfred Nobel used these protozoa to manufacture dynamite sticks.

**SHORT ANSWER:** Answer the following questions.

1. Name three types of fungi.

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2. Name one harmful effect of bacteria.

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Name one beneficial function of bacteria.

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3. Name two examples of the word *canine* that were discussed in Chapter 3.

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4. Describe one classification system that you use to bring order out of chaos.

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