

CHAPTER REVIEW

Viruses and Simple Organisms

I. Vocabulary Review

Match each item in Column I with the most appropriate item in Column II. Write the letter for that item in the blank at the left.

Column I	Column II
_____ 1. uses energy from the sun to make food	a. cilia
_____ 2. whiplike structure used by some protozoans for movement	b. cyanobacteria
_____ 3. lives on or in other organisms	c. flagella
_____ 4. blue-green monerans	d. producer
_____ 5. organisms that can't be seen without a microscope	e. microorganisms
_____ 6. hairlike structures on protists; used like oars for movement	f. parasite
_____ 7. obtains energy by eating other organisms	g. consumer

If the underscored word or phrase makes the sentence true, write "TRUE" in the space provided. If the underscored word or phrase makes the sentence false, write the correct term or phrase in the space provided.

- _____ 8. Fungi do not contain chlorophyll.
- _____ 9. Protozoans are grouped according to the way they reproduce.
- _____ 10. All fungi are consumers.
- _____ 11. Viruses grow but do not respond to a stimulus.
- _____ 12. Vitamin K is made by intestinal bacteria.

II. Concept Review

In the blank at the left, write the letter of the choice that best completes the statement.

- _____ 13. Bacteria and viruses share all of these characteristics EXCEPT _____.
 - a.** they are consumers
 - b.** they fulfill both beneficial and harmful functions
 - c.** vaccines can create immunity to some of their diseases
 - d.** they reproduce
- _____ 14. One statement that is NOT true for both monerans and protists is that _____.
 - a.** they can be single-celled
 - b.** they can be consumers or producers
 - c.** they can have a nucleus
 - d.** they can be found in pond water
- _____ 15. Fungi reproduce by means of _____.
 - a.** seeds
 - b.** pollen
 - c.** spores
 - d.** egg and sperm

Chapter Review 8 (continued)

- _____ **16.** Penicillin is produced by _____.
a. bacteria **b.** fungi **c.** slime molds **d.** fermentation
- _____ **17.** Viruses can be classified by _____.
a. antigens **b.** DNA sequence **c.** diseases **d.** shape

III. Skills/Process Review

Answer the following questions in phrases or complete sentences.

18. You went away for a few days and accidentally left a half-eaten bowl of chicken soup on the table. When you returned, the soup smelled bad and looked cloudy. Infer what happened. What would you see under a microscope if you made a slide from a droplet of broth and added methylene blue stain? _____

19. The table below shows data from an experiment in which mold growth was observed on fruit, indicated by a + . What is the experiment testing? Explain. (*Hint:* A plastic bag would help the fruit retain its moisture.) _____

Conditions	Day 0	Day 2	Day 4	Day 6
A. Apple slice in a plastic bag; dark; room temperature	0	0	+	++
B. Apple slice; dark; room temperature	0	0	0	+

20. What conclusions can you draw from the data given in the table above? _____

IV. EYV Review

21. Geography Connection: Bacteria to the Rescue How did scientists use organisms to help clean the oil-soaked beaches in Alaska after the Exxon *Valdez* oil spill? _____
