

**Directed Reading B** *continued*

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Oxygen in water

7. Green plants, algae, and some bacteria need carbon dioxide gas in addition to
- a. carbohydrates.
  - b. lipids.
  - c. sugar.
  - d. oxygen.
8. Green plants produce food and oxygen through the process of photosynthesis.
9. Organisms that can live without air are anaerobic.

**A PLACE TO LIVE**

10. What do all organisms need in the place where they live?

Water and Air and Food and Shelter

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11. How does the limited amount of space on Earth affect organisms?

Organisms must compete for water and food. Those species that loose may go extinct.

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**FOOD**

12. What are two things that organisms get from food?

Energy from sugar molecules and nutrients like protein, lipids and minerals.

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13. What do organisms use nutrients from food for?

Nutrients provide the organisms with atoms and molecules that are used to grow and develop.

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**Directed Reading B** *continued*

**Organisms are grouped by how they get their food. The three groups are producers, consumers, and decomposers. In the space provided, write *P* if the word or phrase describes a producer, *C* for consumer, and *D* for decomposer.**

- consumers** 14. eats other living organisms or organic matter
- decomposer** 15. mushroom
- consumer** 16. frog
- producer** 17. uses energy from the sun or the chemicals in the environment to make food
- producer** 18. plant
- decomposer** 19. gets energy by breaking down nutrients in dead organisms or animal wastes

**PUTTING IT ALL TOGETHER**

**20.** What do all organisms need to do to food to use the nutrients in food?

Chew, and digest in order to break down the molecules into smaller building blocks

**21.** Nutrients are made up of **molecules**, which are substances created when two or more atoms join together.

**22.** Molecules made of different kinds of atoms are called **compounds**.

**23.** Name the six elements that join together to form proteins, carbohydrates, lipids, ATP, and nucleic acids.

- 1. Carbon
- 2. Oxygen
- 3. Nitrogen
- 4. Hydrogen
- 5. Phosphorus
- 6. Sulfur