

Skills Worksheet

Chapter Review

USING KEY TERMS

Complete each of the following sentences by choosing the correct term from the word bank.

- | | |
|-------------|--------------|
| lipid | carbohydrate |
| consumer | heredity |
| homeostasis | producer |

1. The process of maintaining a stable internal environment is known as _____.
2. Offspring resemble their parents because of _____.
3. A _____ obtains food by eating other organisms.
4. Starch is a _____ and is made up of sugars.
5. Fat is a _____ that stores energy for an organism.

UNDERSTANDING KEY IDEAS

Multiple Choice

- _____ 6. Which of the following statements about cells is true?
 - a. Cells are the structures that contain all of the materials necessary for life.
 - b. Cells are found in all organisms.
 - c. Cells are sometimes specialized for particular functions.
 - d. All of the above

- _____ 7. Which of the following statements about all living things is true?
 - a. All living things reproduce sexually.
 - b. All living things have one or more cells.
 - c. All living things must make their own food.
 - d. All living things reproduce asexually.

- _____ 8. Organisms must have food because
 - a. food is a source of energy.
 - b. food supplies cells with oxygen.
 - c. organisms never make their own food.
 - d. All of the above

- _____ 9. A change in an organism's environment that affects the organism's activities is a

a. response.	c. metabolism.
b. stimulus.	d. producer.

Chapter Review *continued*

- _____ **10.** Organisms store energy in
- a.** nucleic acids.
 - b.** phospholipids.
 - c.** lipids.
 - d.** water.
- _____ **11.** The molecule that contains the information about how to make proteins is
- a.** ATP.
 - b.** a carbohydrate.
 - c.** DNA.
 - d.** a phospholipid.
- _____ **12.** The subunits of nucleic acids are
- a.** nucleotides.
 - b.** oils.
 - c.** sugars.
 - d.** amino acids.

Short Answer

- 13.** What is the difference between asexual reproduction and sexual reproduction?

- 14.** In one or two sentences, explain why living things must have air.

- 15.** What is ATP, and why is it important to a cell?

Chapter Review *continued*

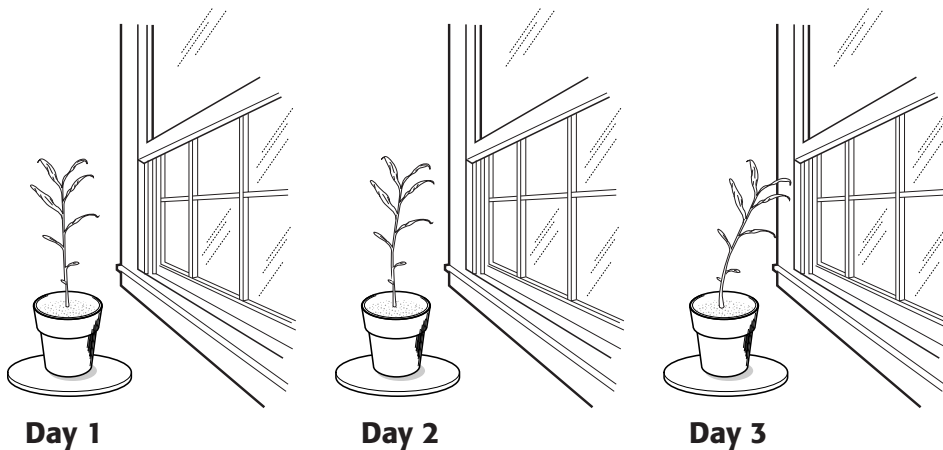
17. Analyzing Ideas A flame can move, grow larger, and give off heat. Is a flame alive? Explain.

18. Applying Concepts Based on what you know about carbohydrates, lipids, and proteins, why is it important for you to eat a balanced diet?

19. Evaluating Hypotheses Your friend tells you that the stimulus of music makes his goldfish swim faster. How would you design a controlled experiment to test your friend's claim?

INTERPRETING GRAPHICS

The pictures below show the same plant over a period of 3 days. Use the pictures below to answer the questions that follow.



20. What is the plant doing?

21. What characteristic(s) of living things is the plant exhibiting?
