

Unit: Plant Science

Name \_\_\_\_\_

Lesson 3: Plant Growth Factors

Date \_\_\_\_\_

### Evaluation

**True/False (Place the correct response in the blank provided.)**

- \_\_\_\_ 1. Environment has very little effect on plant growth.
- \_\_\_\_ 2. Photosynthesis requires sunlight, water, and carbon dioxide.
- \_\_\_\_ 3. Colder temperatures increase plant growth.
- \_\_\_\_ 4. Plant growth is related to temperature.

**Circle the letter that corresponds to the best answer.**

- 5. Which process changes carbon dioxide and water into sugar?
  - a. Osmosis
  - b. Phototropism
  - c. Diffusion
  - d. Photosynthesis
- 6. In which process does the growing part of the plant move toward the sunlight?
  - a. Absorption
  - b. Phototropism
  - c. Photosynthesis
  - d. Photoperiodism
- 7. The plant's reaction to light in stimulating flower development is related to
  - a. Photosynthesis
  - b. Photoperiodism
  - c. Phototropism
  - d. Osmosis

Essential elements can be categorized depending upon the amount needed by the plant. Place the correct element in the blanks beneath each category.

8. Primary macronutrients

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

9. Secondary macronutrients

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

10. Micronutrients

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

d. \_\_\_\_\_

e. \_\_\_\_\_

f. \_\_\_\_\_

g. \_\_\_\_\_