

Chapter 25 Plant Responses and Adaptations**Vocabulary Review**

True or False *In the space, write true if the statement is true. If the statement is false, write the term that makes the statement true.*

- _____ 1. Auxins are plant hormones that stimulate cell elongation.
- _____ 2. An abscission layer is a meristematic area on the side of a stem that gives rise to side branches.
- _____ 3. Cytokinins are plant hormones that increase the overall size of plants.
- _____ 4. Tropisms are the responses of plants to external stimuli.
- _____ 5. Long-day plants flower when days are short.
- _____ 6. In dormancy, plant growth and activity decreases or stops.
- _____ 7. Xerophytes are plants that are not rooted in soil and grow directly on other plants.

Matching *In the space provided, write the letter that best matches each term.*

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| _____ 8. hormone | a. inhibition of lateral bud growth near stem tips |
| _____ 9. phototropism | b. response of a plant to touch |
| _____ 10. gravitropism | c. response of a plant to the force of gravity |
| _____ 11. apical dominance | d. substance produced in one part of an organism that affects another part of the organism |
| _____ 12. herbicide | e. plant pigment that responds to periods of light and darkness |
| _____ 13. thigmotropism | f. compound that is toxic to plants |
| _____ 14. photoperiodism | g. response of a plant to periods of light and darkness |
| _____ 15. phytochrome | h. response of a plant to light |