

Chapter 25 Plant Responses and Adaptations Chapter Vocabulary Review

Short Answer *On the lines provided, answer the following questions.*

1. Describe a hormone. _____

2. What is a target cell? _____

3. How does a plant exhibit phototropism? _____

4. What substances found at the tip of a seedling regulate cell growth? _____

5. How does the stem of a plant exhibit gravitropism? _____

6. What is the function of a lateral bud? _____

7. What process inhibits the growth of a bud close to the stem's tip? _____

8. How do herbicides affect plants? _____

Completion *On the lines provided, complete the following sentences.*

9. Dormant seeds are stimulated to sprout by the effect of _____.
10. An increase in the overall size of plants is caused by _____.
11. Found in natural gas, _____ stimulates fruits to ripen.
12. The responses of a plant to environmental stimuli are called _____.
13. The response of a plant to touch is called _____.
14. Plants that flower when days are short are called _____.
15. Plants that flower when days are long are called _____.
16. A plant's response to periods of light and darkness is called _____.
17. The plant pigment responsible for a plant's response to periods of light and darkness is _____.

Multiple Choice *On the line provided, write the letter of the answer that best completes the sentence or answers each question.*

- _____ 18. Which of the following is not controlled by plant hormones?
- | | |
|----------------------------|--------------------|
| a. branching patterns | c. osmosis |
| b. response to environment | d. stem elongation |

