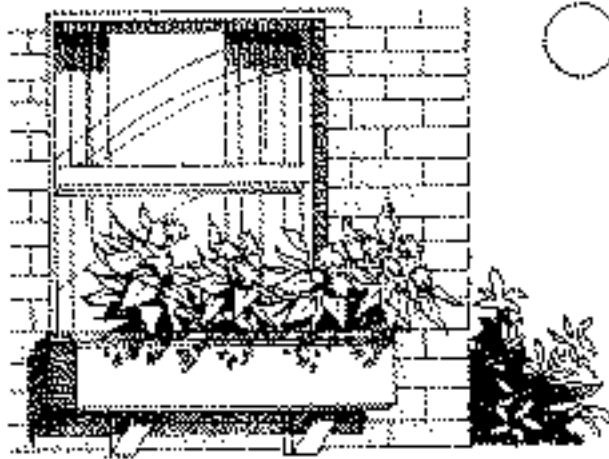


● Plant Responses

Match the description on the left with the term on the right by writing the correct letter in each blank.

- | | |
|--|---------------------|
| _____ 1. affects behavior of an organism | a. negative tropism |
| _____ 2. response of a plant to a stimulus | b. plant hormones |
| _____ 3. grow away from | c. gravitropism |
| _____ 4. grow toward | d. ethylene gas |
| _____ 5. response of plants to light | e. photoperiodism |
| _____ 6. response of plants to gravity | f. phototropism |
| _____ 7. flowering response to changes in the lengths of light and dark in a day | g. stimulus |
| _____ 8. control plant tropisms | h. tropism |
| _____ 9. causes fruit to ripen | i. positive tropism |



Check (✓) the statements that agree with the textbook. Rewrite the other statements so that they agree.

- _____ 10. Plant roots tend to grow upward in response to gravity.
- _____ 11. Plants that bend toward light are exhibiting positive photoperiodism.
- _____ 12. Plant roots tend to grow downward and the stems to grow upward.
- _____ 13. Most plants need a certain period of darkness to promote flowering.
- _____ 14. Auxins control phototropism in plants.
- _____ 15. Ethylene gas causes plants to grow taller.
- _____ 16. Day-neutral plants will flower over a wide range of dark periods.
- _____ 17. Long-day plants need short nights to flower.