

Three-level Guide

Part 1- Literal Level

Check the items below that are true facts from the text

- 1. A plant goes through its entire life cycle is called an annual.
- 2. Plants have characteristic patterns of growth.
- 3. New cells, in a plant, are formed by mitosis and **cell division**.
- 4. Hormones are chemical substances that control plant activities.
- 5. Plants stems treated with **gibberellins** become short and fat.
- 6. Plants generally grow away from a light source.
- 7. Abscission occurs when leaves separate from plant stems.

Part II-Interpretive Level

Check the items below that you believe the book *implied*

- 1. It is possible to change a plant's physical and physiological features by altering its hormone balance.
- 2. Plants are incapable of any movement.
- 3. Our knowledge of plants has helped us make advances in all areas of agriculture.
- 4. The changing of leaf color in the fall is a feature caused by **a lot** of changes taking **place** in the plant and the environment.

Part III- Applied level

Check the items you think are true based on your personal experience.

1. The reason that we never see carrots flowering is that we harvest them prior to the year that they flower.
2. Mutations in plant genes are likely to have little effect on the way a plant responds to its environment.
3. It would be possible to develop a fruit that would not ripen unless we artificially exposed it to ethylene.