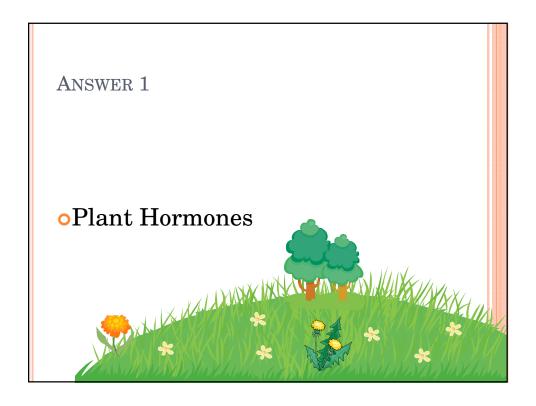
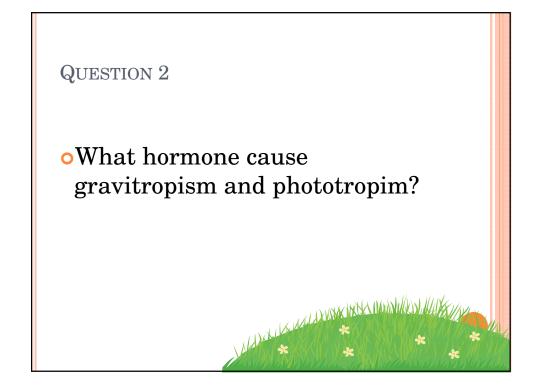
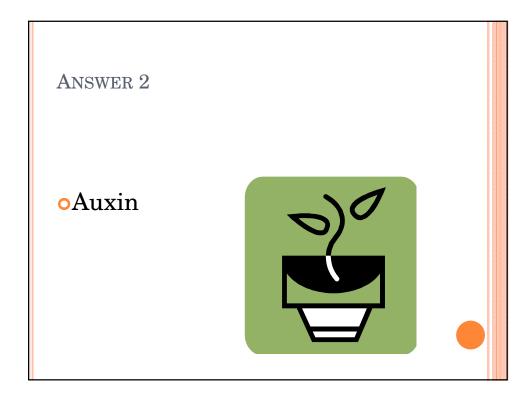


o_____are chemical substances that control a plant's patterns of growth & development, & the plant's responses to environmental conditions

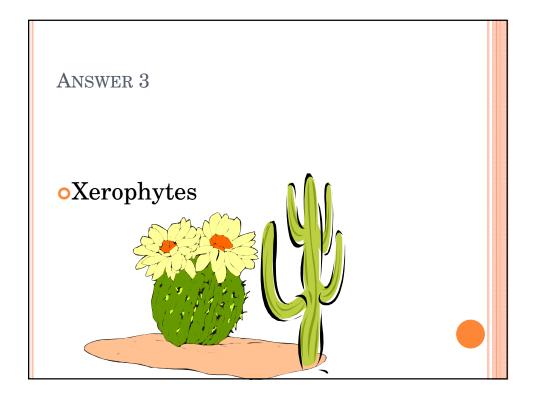




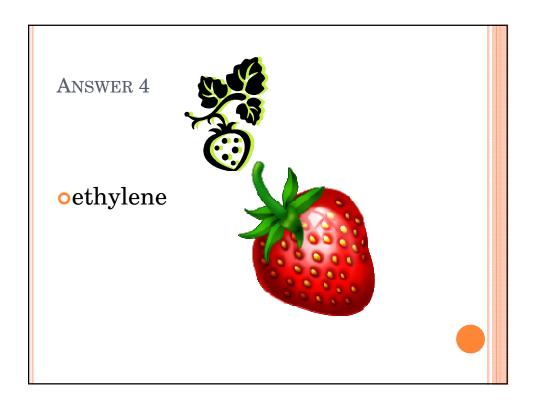


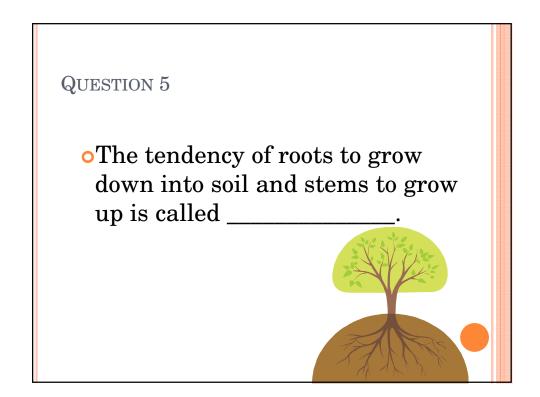
oCactus plants are typically found in the desert biome. What are plants that are found in the deserts called?

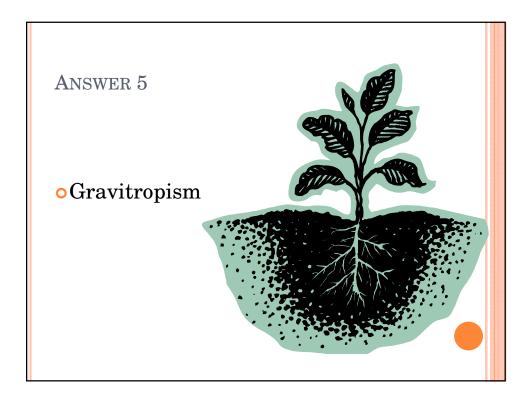
QUESTION 3



•Fruit is stimulated to ripen by
_____.

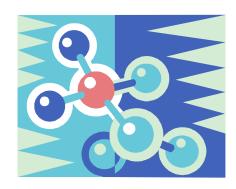






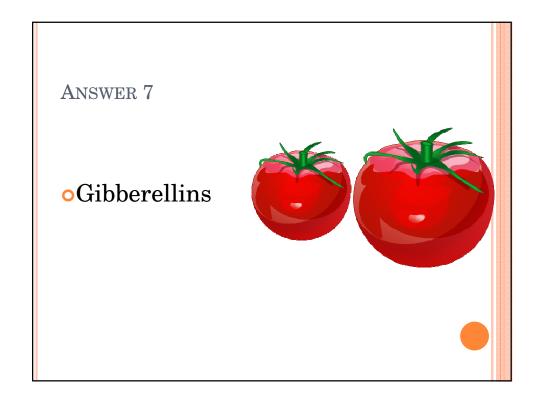
•This is an hormone and is also a gas.

 ${\color{red} \circ}\, Ethylene$



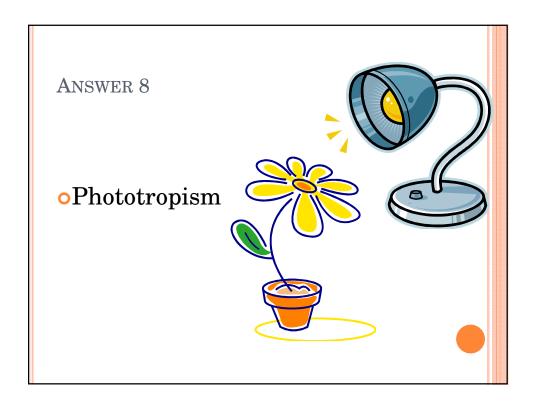
QUESTION 7

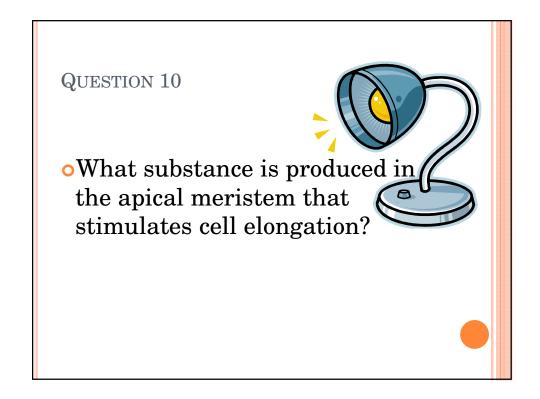
•Dramatic increase in the size of stems and fruits are the result of which hormone?

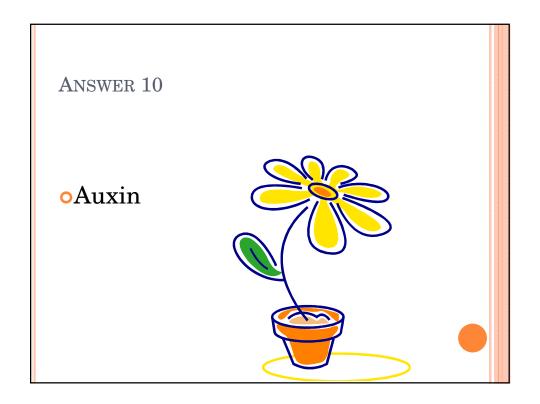


•The tendency of plants to grow toward light is called

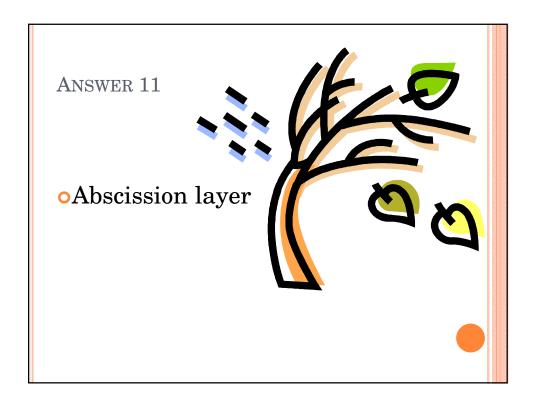
8

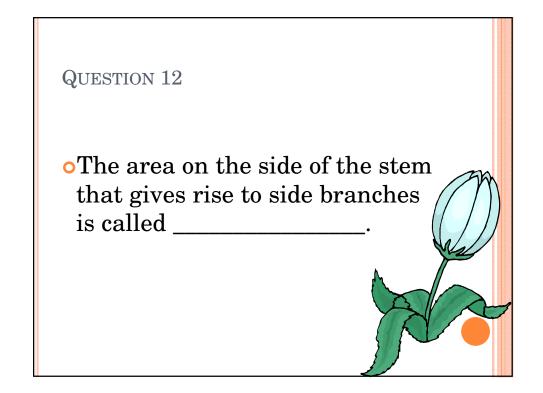


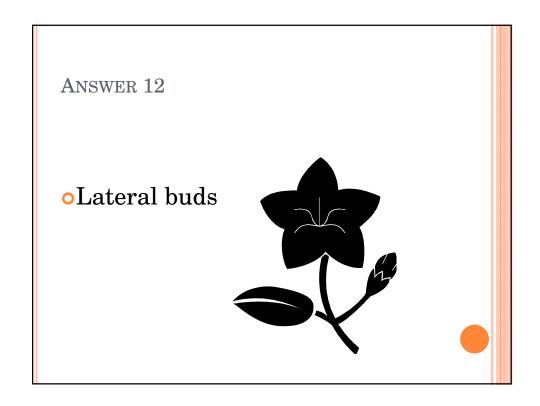


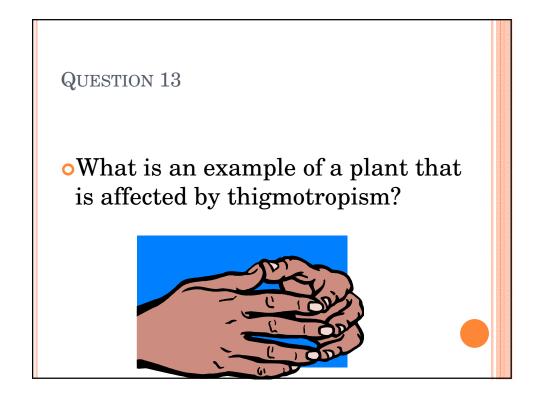


•The layer of cells at the petiole that seals off a leaf from the vascular system is the









Carnivores plants, vines, some ferns





•Describe the plant's growth after the apical meristem is removed from a plant?

•The sides branches grow more rapidly, so the plant expands laterally (wider)

QUESTION 15

•How is cytokinins different from the hormone auxin?





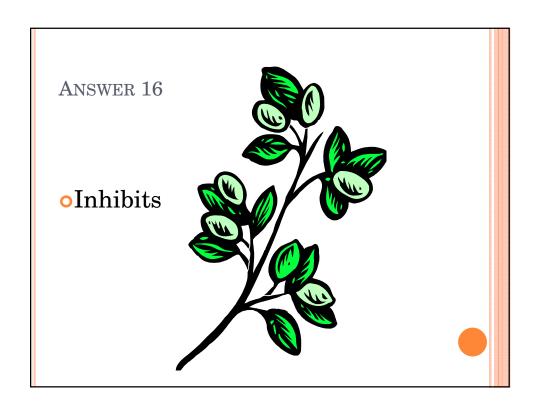
oIt stimulates lateral bud growth







•How does the presence of auxins affect the lateral stem growth?

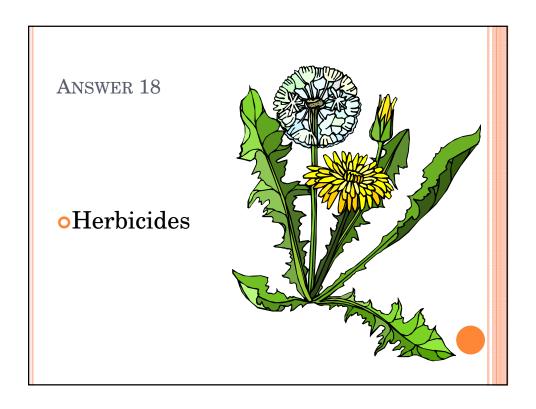






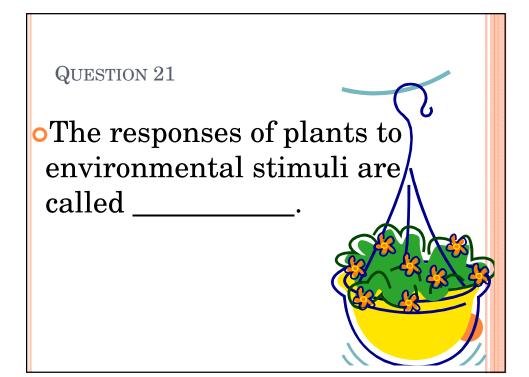


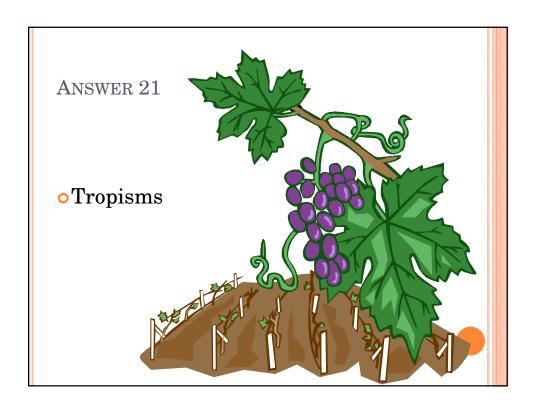
oCompounds that are toxic to plants, many contain high concentrations of auxins since auxins inhibit growth. What are they?

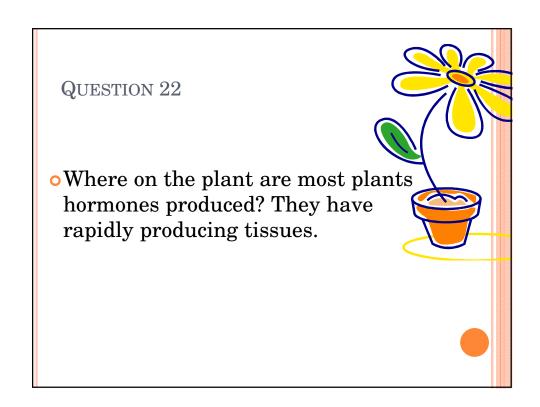


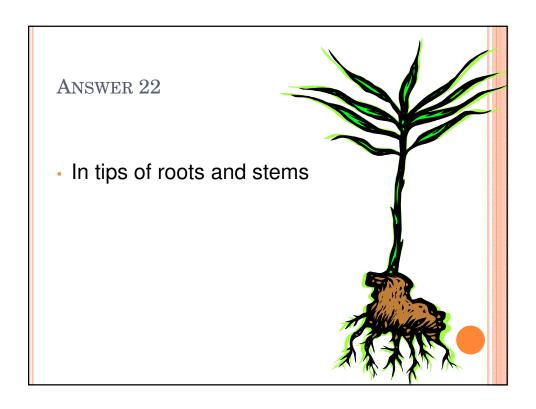


- · When to drop their leaves.
- · When to start new growth.
- · When to cause fruit to ripen.
- · When to cause flowers to bloom.
- When to cause seeds to sprout.









•What is a pigment that regulates the changes in activity that prepare plants for winter or photoperiodism?





•Phytochrome

Bonus point:

What type of light do phytochrome absorb?

QUESTION 24

•The period when a deciduous plant starts to decrease its activity is called _____. It's similar to hibernation in animals.

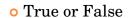
ANSWER 24 • Dormancy

QUESTION 25

•The response of a plant to change in the length of day or night is called _____.

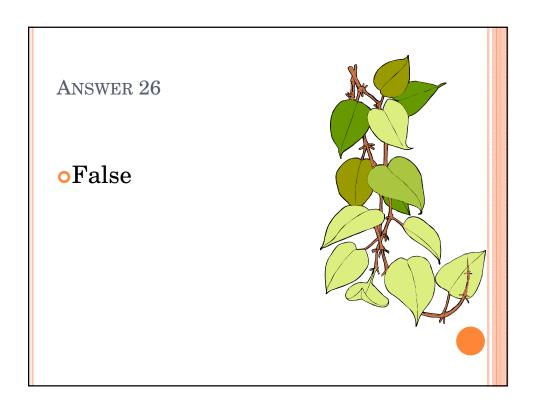
 ${\color{red} \bullet} Photoperiodism$







•Epiphytes are plants that are found in the Tropical Rainforest and are parasite to other plants by taking their nutrients, water, and sunlight.



List three environmental factors to which plants respond.



oTouch, light, gravity, moisture



QUESTION 29

Insect predators have provided the adaptive pressure over time for plants to develop ______ to avoid being

eaten.

•Chemical defenses



QUESTION 30

The closer a bud is to the stem's tip, the more it is inhibited, because auxins move out from the apical meristem. What occurs because of this?

•Apical Dominance



QUESTION 31

•What is the portion of a plant that is affected by a hormone called?



