Chapter 3 Lesson 2

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***Adaptations:*** a trait that helps a plant survive in its environment

***Energy:*** food is stored in leaves; when it loses its leaves ENERGY is stored

***Light:*** is one of the 3 stimuli that affects plants

***Stimulus:*** anything in the environment that causes a plant to react

***Tropism***: a reaction of a plant

***Upward:*** the direction that stems usually grow

***Water***: is held inside a cactus

\*Plants can respond to their environment in many ways.

\*Stimulus causes a living thing to respond

\*Light, water, and gravity is a tropism.

\* Plants react by changing its direction or pattern of growth.

\* plants grown toward the light and the roots grow toward a source of water.

\* plant roots grow down b/c of gravity

\* stems grow upward: opposite the pull of gravity

\* plants have adaptations that help them survive.

\*cacti save their water and have a thick, waxy outer covering.

\*some trees drop their leaves every winter

\*trees live on stored food until spring and photosynthesis begins