Plant Study Guide

Vocabulary

Bulb – underground stems with leaves ex. onions
Root hairs – grows out of the roots
Transpiration – allows water out of the leaf
Conifers- a plant that produces seeds in cones
Spores – tiny cells that can grow into a new plant ex. Ferns and moss
Vascular – plants that have tubes (flowers and trees)
Nonvascular – plants that do not have tubes (mosses)
Photosynthesis – the process by which plants make food from sunlight, water, and carbon dioxide
Chlorophyll - the green material in the chloroplast that traps energy from sunlight
Chloroplast – the green cell part that traps sunlight
Stomata – the part that lets carbon dioxide in and water out of the leaf

How Plants Reproduce
1. seeds – flowers and cones       2. spores
3. bulbs                           4. Runners

Photosynthesis
1. Light from the sun shines on the plant’s leaves.
2. The chloroplasts in the leaves trap the sun’s energy.
3. Water enters the leaf.
4. The water and the sun’s energy combine to form chemical energy.
5. The cells use carbon dioxide which enters the leaf through the stomata.
6. The carbon dioxide and the chemical energy combine to form sugar.
7. The sugar is carried to other parts of the plant.