

Plants
Study Guide
5h Grade

*Learning Target: I can explain the structure and function of roots, stems, and leaves.

What are two functions of roots? **Take in water and minerals, anchoring the plant in the ground, support, food storage (pgs. 50-51)**

What are different types of roots? **Aerial roots, fibrous roots, taproots, and prop roots (pgs. 50-51)**

What are two functions of stems? **Stems support the plant and serve as a transport system. (pgs. 52-53)**

Why are so many leaves green? **Leaves have chlorophyll so they can produce food through photosynthesis. Chlorophyll is green. (pgs. 54-55)**

What do leaves need to carry out photosynthesis? **Carbon dioxide, sunlight, and water (pgs. 54-55)**

What is transpiration? **The loss of water through a plant's leaves (pg. 54)**

What happens during cellular respiration? **Plants use carbon dioxide and water to produce sugars during photosynthesis. (pg. 56)**

*Learning Target: I can identify the parts of a flower.

Students will label the parts of a flower. **(pg. 102)**

*Learning Target: I can explain the structure and function of a seed.

What do all of the seeds need to germinate? **Water, soil, warm temperatures (pg. 106)**

What is inside seeds? **Seeds contain a small embryo surrounded by a food supply. (pg. 106)**

Why do seeds have a seed coat? **To protect them from the environment or from drying out (pg. 106)**

