POP Vocabulary and Concepts

Pollination: The transfer of pollen from the stamen to the pistil

Pollinator: Something that transfers the pollen from the stamen to the pistil—for example, bees, birds, bats, butterflies, moths, and wind

Carbon dioxide (CO2): A gas in the air that is absorbed by plants

Oxygen (O2): A gas in the air that is produced by plants and used by animals to breathe

Root: The part of the plant that anchors it in the ground and absorbs water and nutrients from the soil

Stem: The part of the plant that supports the plant above the ground and carries water from the roots to the other parts of the plant

Leaf: The part of the plant where the plant absorbs sunlight and carbon dioxide and uses water absorbed from the roots to create food for itself through the process of photosynthesis It also makes oxygen, which allows us to breathe

Producer: A living thing that produces its own food using sunlight, water, and carbon dioxide in a process called photosynthesis

Consumer: Animals that obtain food by eating plants or other animals

Photosynthesis: The process by which a green plant uses energy from the sun to transform water and carbon dioxide into food and oxygen

Flower: The part of the plant that produces the fruit and seeds and is usually surrounded by brightly colored petals

Petal: The part of the flower that attracts pollinators with its shape, color, and smell

Blossom: A flower on a tree or bush

Stamen: The part of the flower that contains the pollen

Pollen: A sticky powder on the stamen of a plant that is transferred to a pistil to produce a fruit with seeds

Pistil: The part of the flower that receives the pollen and where the fruit will grow containing the seeds

Nectar: A sugary fluid that attracts pollinators to plants

Nectar robber: An animal that robs nectar from a flower without pollinating it

Fruit: The part of the plant that contains the seeds

Seed: The part of a plant that grows into a new plant

Reproduce: To make a new plant

Cross-pollination: The transfer of pollen from one plant to the pistil of another plant of the same or similar species

Self-pollination: The transfer of pollen from a stamen to a pistil on the same plant

Predator: An animal that eats other animals

Pesticide: A substance used to destroy insects or other animals

Herbicide: A substance that is used to destroy plants