

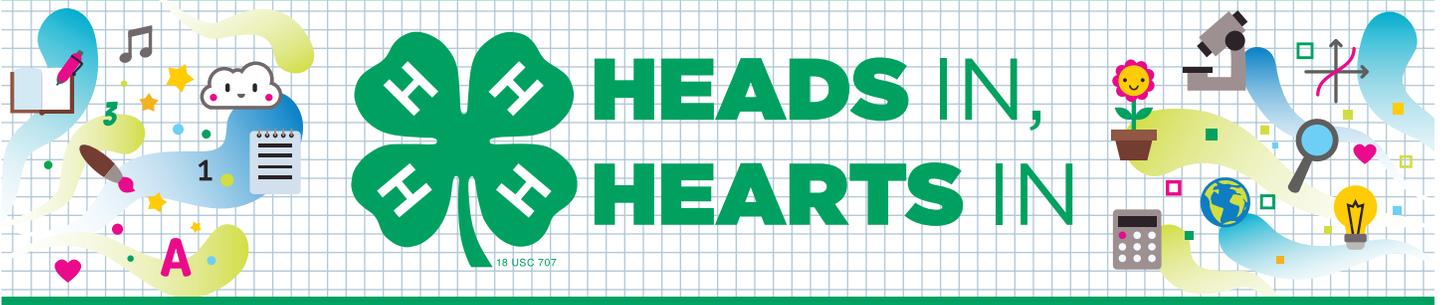
Supplies

- “Guide for Families” handout
- Clear plastic standup display (optional)
- “Parts of a Plant” handout
- Plants to match each part of the plant:
 - Root: Carrots or radishes
 - Stem: celery or asparagus
 - Leaf: lettuce or spinach
 - Flower: broccoli or cauliflower
 - Fruit: Apple or tomato
 - Seed : Pea pods or sunflower seeds
- Common house plant
- Flower such as a rose
- Display table

Activity Preparation

- ▶ Purchase or locate items on the supply list.
- ▶ Print one copy of the “Guide for Families” handout. Laminate or place in a clear plastic standup display to allow participants to see it more readily.
- ▶ Print “Parts of a Plant” handout. Laminate.
- ▶ Set up the display table with plants.





Plant Parts

Guide for Families

Learning Objectives

What you need to know:

Plants have various parts (roots, stems, leaves, flowers and fruit) that serve specific functions.

- ▶ Root —The part of the plant that provides support, anchoring the plant. It absorbs water and nutrients, and may store sugar.
- ▶ Stem — The part of the plant that transports water and minerals taken in by roots to the leaves. It transports food produced in the leaves to other parts of the plant.
- ▶ Leaf — The part of the plant that captures the sun's energy, takes in water and air, and by the process of **photosynthesis**, makes food.
- ▶ Flower— The part of the plant that produces seeds.
- ▶ Fruit – The reproductive product of the plant; the seed of plants, or the part that contains the seeds.

What you will do and learn:

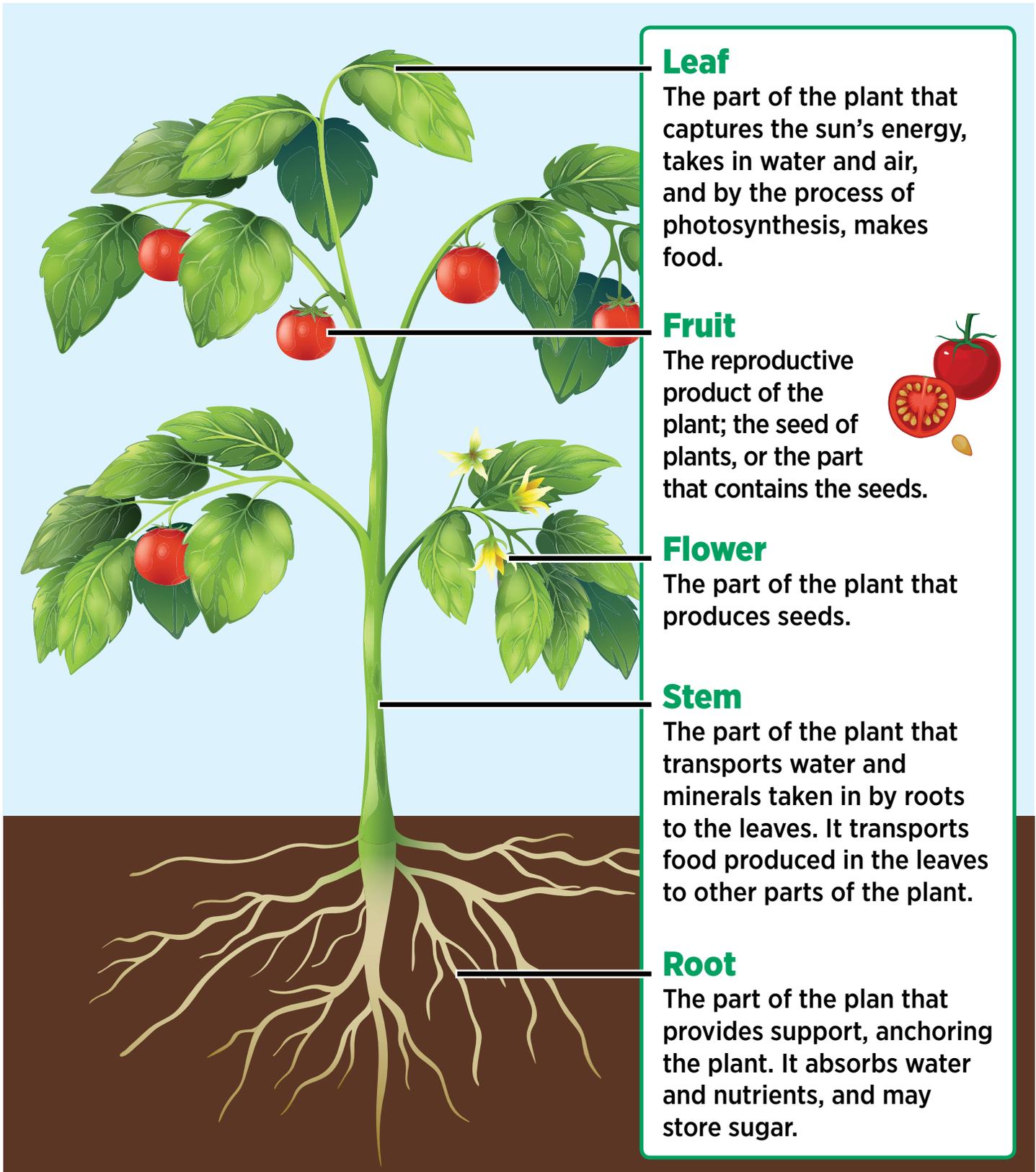
You will correctly identify the parts of a plant including roots, stem, leaves, flowers or fruits.

Instructions

1. List the parts of the plant that you already know.
2. Look at the “Parts of a Plant” handout, and then look at each plant.
3. Identify each part of the plant (root, stem, leaf, flower, fruit).
4. Explore the differences between each plant part and answer:
 - ▶ What did you observe?
 - ▶ Did you see how each part is important to the plant?
 - ▶ What senses can you use to learn about this plant?
 - ▶ Can you smell it, taste it, feel it?
 - ▶ How can using your senses help you to gain knowledge about plant parts?
5. Look at the house plant and the flower. Can you find each part of those plants?

Plant Parts Handout

Parts of a Plant



Leaf

The part of the plant that captures the sun's energy, takes in water and air, and by the process of photosynthesis, makes food.

Fruit

The reproductive product of the plant; the seed of plants, or the part that contains the seeds.



Flower

The part of the plant that produces seeds.

Stem

The part of the plant that transports water and minerals taken in by roots to the leaves. It transports food produced in the leaves to other parts of the plant.

Root

The part of the plant that provides support, anchoring the plant. It absorbs water and nutrients, and may store sugar.