

Lesson 1: Plant Systems & Organs

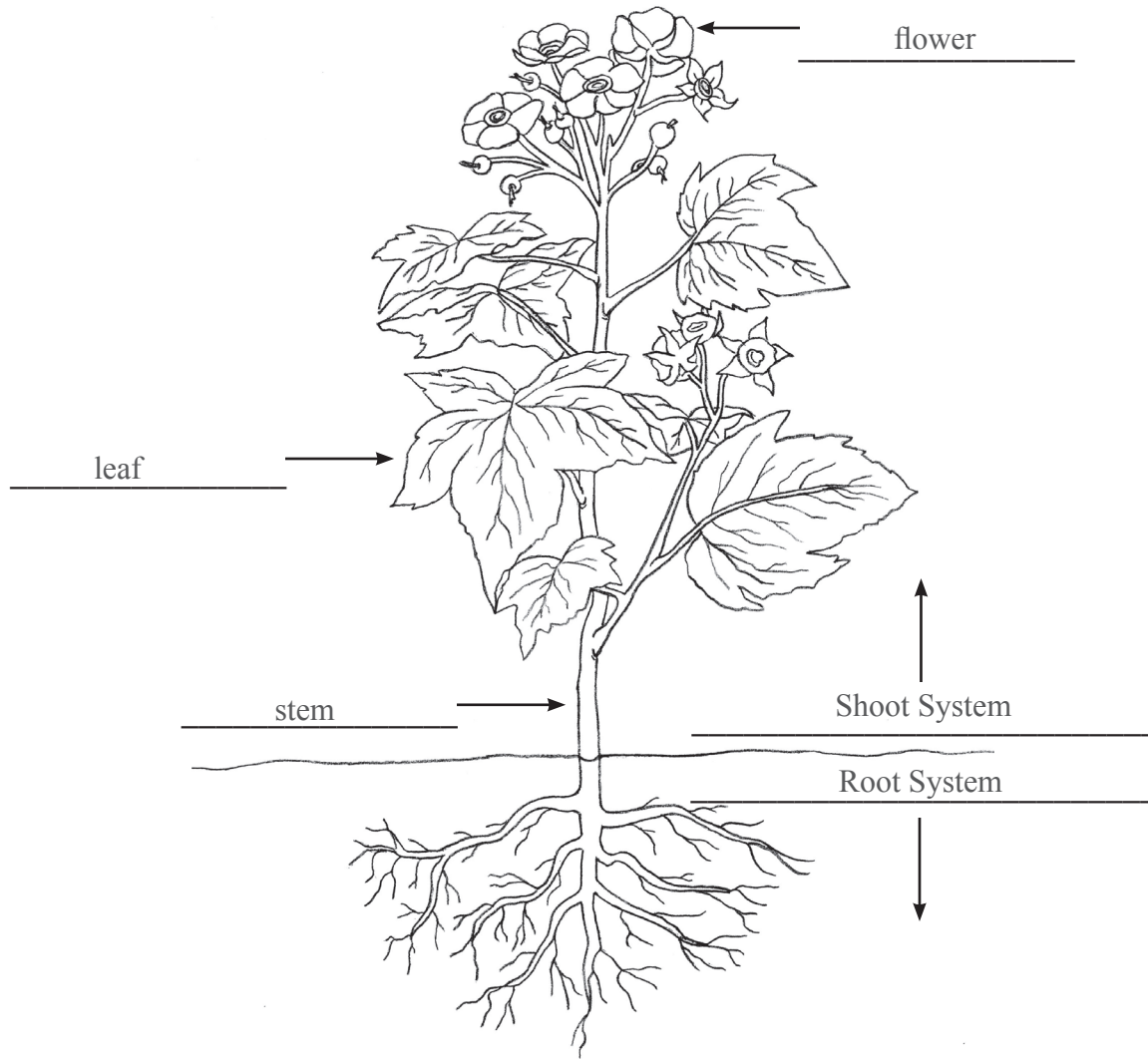
Reading and Questions

*The Book of
Trees pp.
5-7*

1. What unique ability do plants possess? Plants have the unique ability to produce their own food by harnessing the power of the sun, and they provide oxygen for all living creatures.
2. List some of the uses of trees (both from the text and from your own knowledge and experience). Trees provide food, shade, give homes to animals, produce oxygen, their wood is used for various types of building, baseball bats, tree houses, etc.
3. Why are trees considered a symbol of wisdom and strength? Trees take a long time to grow and mature, and when they do, they produce fruit in season and are able to endure the seasons. Their age and resilience suggest a nature that is prudent and patient.
4. What is an organ? An organ is a structure of tissue that performs a particular function in an organism.
5. What is a system? A system is a group of organs that work together to perform a particular function in an organism.
6. List as many of the 11 systems in the human body as you can. Integumentary (skin, hair, nails), nervous, skeletal, endocrine (glands that regulate growth), muscular, cardiovascular, lymphatic (houses white blood cells and removes debris from blood), respiratory, urinary, reproductive, and digestive
7. What are the two systems found in plants? root system and shoot system
8. How many organs make up the root system? 1 What is it? the root
9. What are the functions of the root system? The root system anchors the plant and performs the functions of absorbing water and nutrients and storing food.
10. How many organs make up the shoot system? 3
What are they? the stem, the leaf, and the flower
11. What are the functions of the shoot system? The shoot system holds the plant upright, manufactures food, and reproduces the plant by means of seeds.

Diagrams and Labeling

- Label the diagram of plant systems and organs.



Activities

1. Take a walk outside and try to count the different types of plants you encounter just around your home or building.
2. Memorize *It Is Not Growing Like a Tree* from p. 6 of this workbook.