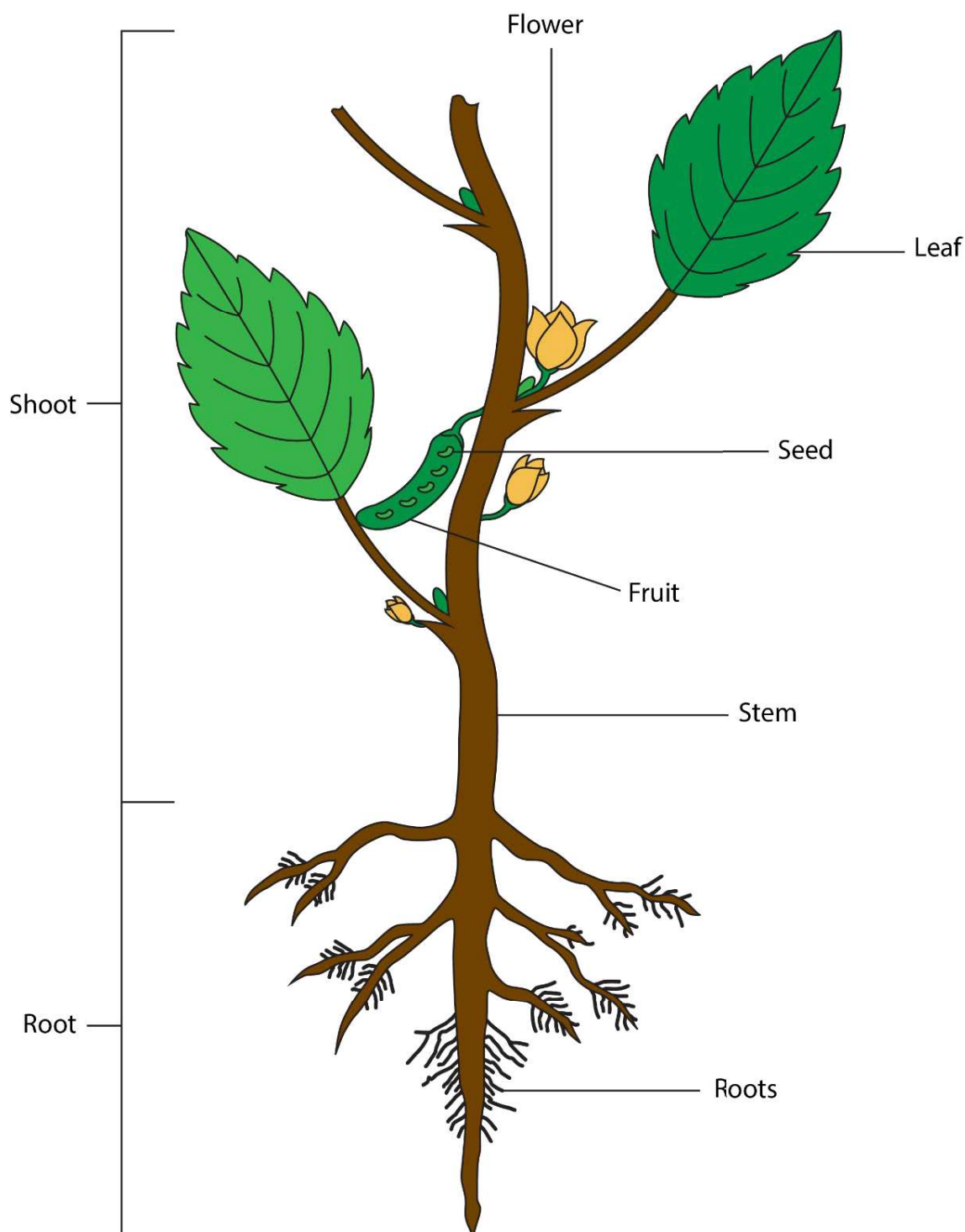


Plant Structure– Answer Key

Below is a diagram of a typical plant. Fill in the missing information.



Introduction to Hydroponics Curriculum

Define the following words:

1. Roots:

- Pull water and nutrients from the surrounding environment (soil or water) to feed the plant
- Help keep the plant securely situated

2. Stem:

- Trunk structure that holds the roots to the leaves
- Works as a support structure but also is where water and food are transferred to the leaves
- Branches are also considered part of the stem structure

3. Leaf:

- Flat structure that is attached to the plant's stem, used to collect sunlight for photosynthesis
- Where transpiration takes place
- When healthy, usually green in color

4. Fruit:

- Seed-bearing structure that is from the flowering plant

5. Flower:

- Structure that produces the seed-bearing fruit
- Consists of reproductive organs to reproduce fruit

6. Seed:

- Embryonic plant that is covered with a hard shell or outer covering
- Like a baby plant (embryo) ready to be born
- Seeds include:
 1. Embryo
 2. Cotyledons: the stored food supply
 3. Seed coat: protective outer layer
 4. Endosperm