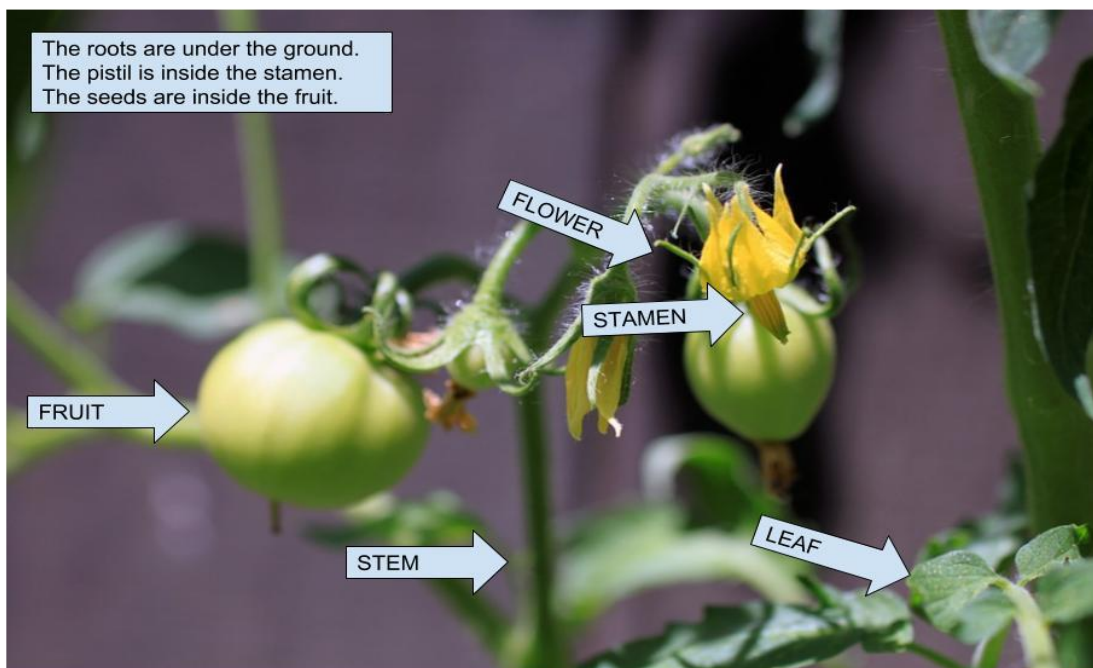


Student Observation Sheet

1. Use the provided space to draw three plants that you saw on your community walk. On your drawing, label the parts of the plant that you were able to observe such as the root, stem, flower, stamen, pistil, leaf, seed, and fruit. For example:



(Original image from: <https://pixabay.com/en/tomato-flower-blurry-background-1467678/>)

Keep in mind the following explanations as you investigate the plants that you see:

- **Root:** Holds the plant in the ground and absorbs water and nutrients from the soil.
- **Stem:** Holds up the plant and carries water and nutrients from the roots to the leaves.
- **Leaf:** Produces food for the plants. Contains chlorophyll which makes leaves green.
- **Flower:** Produces seeds and contains the reproductive part of the plant.
- **Pistil:** Usually found at the centre of the flower. It is made up of three parts: stigma, style and ovary.
- **Stamen:** Usually found around the pistil. It is made up of two parts: anther and filament.
- **Fruit:** The fleshy ripened ovary of the plant that contains the seeds.
- **Seed:** An embryonic plant that has a protective outer covering. When planted, it can produce another plant.

Plant 1:

Plant 2:

Plant 3:

2. Observe the seeds provided by your teacher. Select one of the seeds and draw it in the space provided. What is the name of the seed?



3. Now that you have investigated the seed, take some time to research what the full-grown plant might look like. Draw a diagram of the full grown plant in the space provided and label the root, stem, flower, stamen, pistil, leaf, seed, and fruit. Investigate some of the possible uses for your plant. Who might use it? What benefits might it provide its user?



4. How long do you think it will take for your plant to grow from a seed to a plant? Why do you think this? Use the space below to draw images of what you think your plant will look like at three different stages.

Stage 1	Stage 2	Stage 3

5. Describe how you will plant your seed.

a) What materials do you need? _____

b) How often will you add water? _____

c) How much water will you add? _____

d) What other factors do you need to consider so that your plant can grow?

e) How often will you record an observation of your plant? _____

f) Who will you compare your observations with? _____

6. **Plant Observations** - Depending on the schedule you have selected, complete the information in the spaces provided below.

Consider writing down some of the following information:

- a. How much water did you add to your plant today?
- b. What has the weather been like since you planted your seed? Has it been sunny?
- c. How tall is your plant today?
- d. What changes have you noticed from the last time that you measured your plant?
- e. Is there a difference in the soil? If so, what is the difference?

<p>Date: _____</p> <p>Day #: _____</p> <p>Drawing of my plant:</p>	<p>My observation notes:</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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7. When I compare the observations of my plant with the observations of one of my peers, I noticed:

8. How can we be good environmental stewards, who take care of plants like the one you are growing? How might we protect these plants while still enjoying some of their benefits?
