

Word Bank

- Seeds
- Roots
- Stem
- Leaf
- Flower
- Fruit

PARTS OF A PLANT

Activity Sheet

3-5



Label and color the parts of a tomato plant.

4.

use energy from sunlight to carry out **photosynthesis** and make food for the plant. The leaf is also where the plants breathes in and out.

3.

provide support for leaves, flowers, and fruit. Water, nutrients, and sugars travel to and from other parts of the plant through the stem.

1.

have three parts—the **embryo**, the **endosperm** (on a *monocot*) or a **cotyledon** (on a *dicot*), and the **seed coat**. The embryo grows into a new plant, the endosperm provides nutrients for the embryo, and the seed coat is the protective outer covering that encloses the embryo.

5.

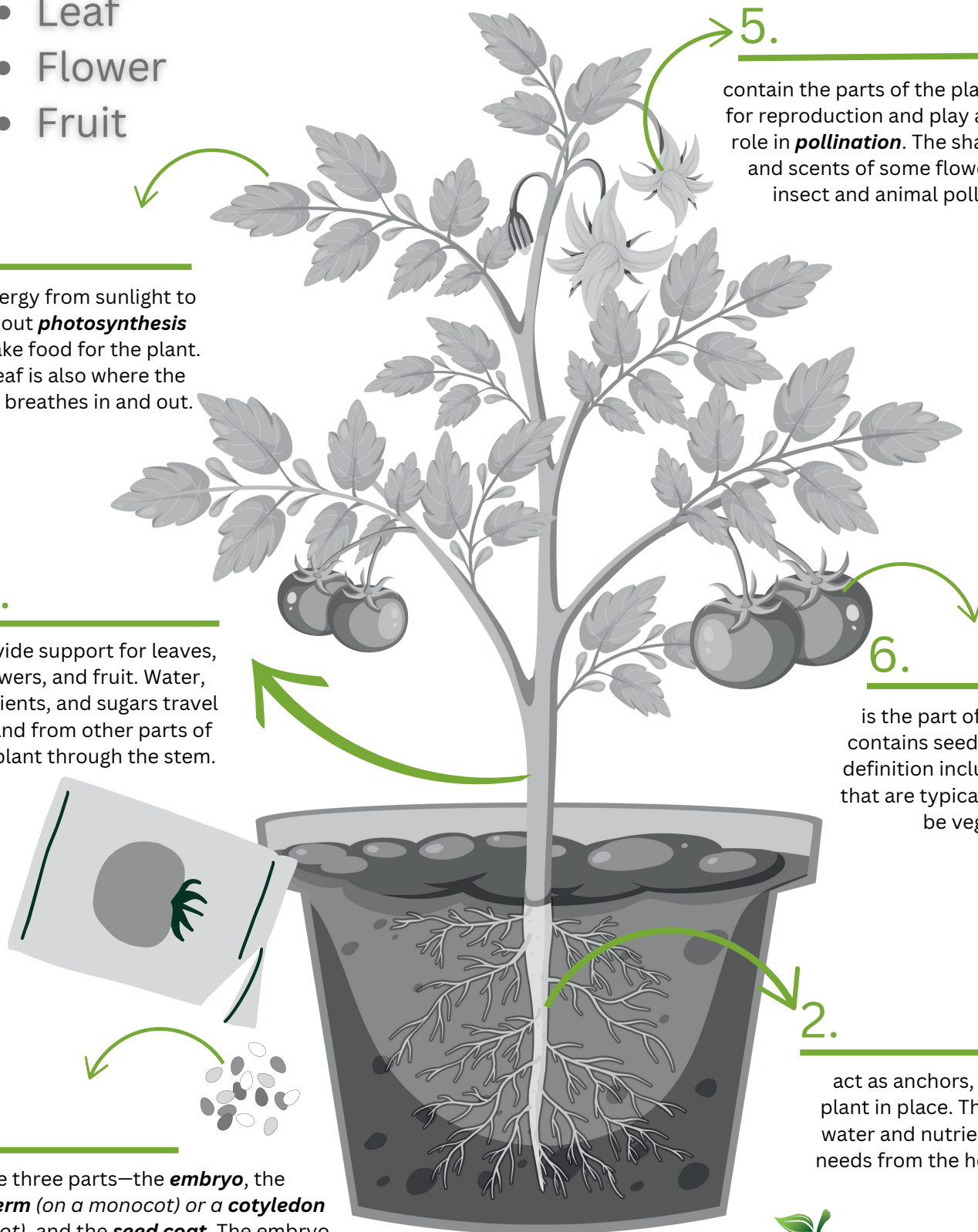
contain the parts of the plant necessary for reproduction and play an important role in **pollination**. The shapes, colors, and scents of some flowers attract insect and animal pollinators.

6.

is the part of the plant that contains seeds. This botanical definition includes many foods that are typically considered to be vegetables

2.

act as anchors, holding a plant in place. They take up water and nutrients a plant needs from the healthy soil.



United States Department of Agriculture
Natural Resources Conservation Service



Definitions used by "Edible Plants" lesson (UAITC)

Activity Sheet

Student Name: _____

Botanical (plant) Definition:

The **fruit** part of a flowering plant contains the seeds. Chile peppers come from a flowering plant and contain the seeds so they CAN BE classified as a fruit. **Vegetables** are the part of a plant that is edible. Since we eat chile peppers, they CAN ALSO BE classified as a vegetable.

Culinary (cooking) Definition:

Fruit and vegetables are classified in cooking by HOW they are used. When cooking, **fruits** tend to be used in sweet dishes while **vegetables** tend to be used in savory or spicy dishes. Since chile peppers are often used in savory or spicy cooking, we could classify them, according to the culinary definition, as a vegetable.



SEED PACKET IDENTIFICATION

Every seed packet comes with specific instructions and care to make sure your seed has the best possible chance at life and full growing potential. Look with your classmates to see WHAT these seed packets tell us.



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- When should these seeds be grown?
- Look at the map & coordinate it to the color that indicates the months for planting.
- How far deep (depth) and how far apart should each seed be placed?
- How many days until harvest?

Seed Name: _____

Planting months: _____

Depth: _____

Spacing: _____

Days until harvest: _____



Fruits and vegetables provide us different nutrients for our health. Write in your answers.

Nutrients that we need to be healthy include vitamins, minerals, protein, healthy fats and complex carbohydrates that come from healthy foods.

- Support cell _____ & _____
- Maintain energy _____
- Can improve the _____ system

Name your favorite fruit or your favorite vegetable. What part of the plant is that from?
Draw it below!

Fruits & Vegetables Grown in New Mexico

Identify the fruit or vegetable, and share what part of the plant you think this food is.



Word Bank

- Seeds
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- Stem
- Leaf
- Flower
- Fruit

PARTS OF A PLANT

k-2

Activity Sheet



Label and color the parts of a tomato plant.

4. Leaves

use energy from sunlight to carry out **photosynthesis** and make food for the plant. The leaf is also where the plants breathes in and out.

3. Stem

provides support for leaves, flowers, and fruit. Water, nutrients, and sugars travel to and from other parts of the plant through the stem.

5. Flowers

contain the parts of the plant necessary for reproduction and play an important role in pollination. The shapes, colors, and scents of some flowers attract insect and animal pollinators.



6. Fruits

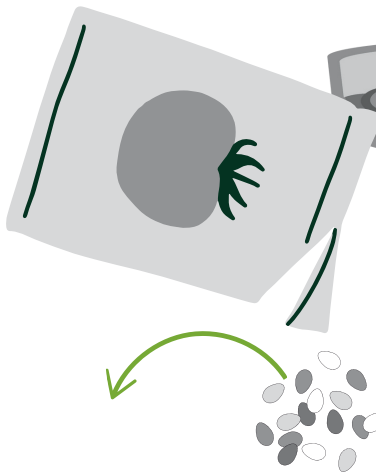
are the part of the plant that contains seeds. This botanical definition includes many foods that are typically considered to be vegetables

2. Roots

act as anchors, holding a plant in place. They take up water and **nutrients** a plant needs from the healthy soil, like **nitrogen, phosphorus, and potassium**.

1.

have three parts—the **embryo**, the **endosperm** (on a *monocot*) or a **cotyledon** (on a *dicot*), and the **seed coat**. The embryo grows into a new plant, the endosperm provides nutrients for the embryo, and the seed coat is the protective outer covering that encloses the embryo.



United States Department of Agriculture
Natural Resources Conservation Service



Definitions used by "Edible Plants" lesson (UAITC)

PLANTS: FRUITS & VEGETABLES

k-2

Activity Sheet

Student Name: _____

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Seed Name: _____

- When should these seeds be grown? Look at the map & coordinate it to the color that indicates the months for planting.
- How far deep (depth) and how far apart (spacing) should each seed be placed?
- How many days till harvest?

Planting months: _____

Depth: _____

Spacing: _____

Days until harvest: _____

Name your favorite fruit or your favorite vegetable. What part of the plant is each from? Draw them below!

Name a fruit or vegetable that you haven't tried but you want to. Draw them, too!

Fruits & Vegetables Grown in New Mexico

Trace the letters to spell out the name of the items and what part of the plant they are from.



Chile is a fruit.



Corn is a seed.



Onion is a stem.



Apple is a fruit.

