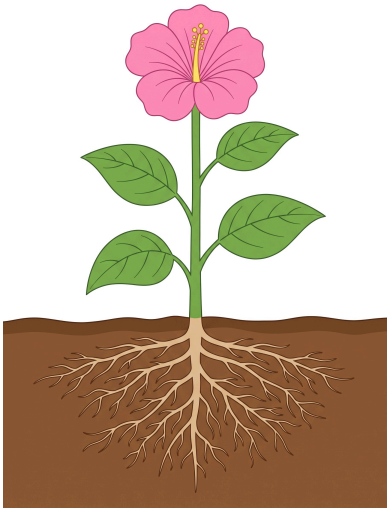
Science Teaching Pack

Parts of a Plant

Roots, stem, leaves and flower, and what each one does



7	14	All
printable sheets	pages	answer keys included

Parts of a Plant

Roots, stem, leaves and flower, and what each one does

How to use these sheets. The sheets are in a suggested teaching order: show the labeled diagram, have students label the blank one, go over the one-page sheet, read the short text together, then cut and paste, draw and circle. The answer keys are together at the back.

What is inside

1. Teach

Parts of a Plant Diagram 3

2. Label

Blank Parts of a Plant 4

3. Learn

Parts of a Plant on One Page 5

4. Read

Every Part Has a Job 6

5. Sort

Which Part Do We Eat? 7

6. Draw

Grow a Plant 9

7. Check

Which Part? 10

Answer keys

Blank diagram: the labeled diagram is its key 3

Parts of a Plant on One Page 11

Every Part Has a Job 12

Which Part Do We Eat? 13

Which Part? 14

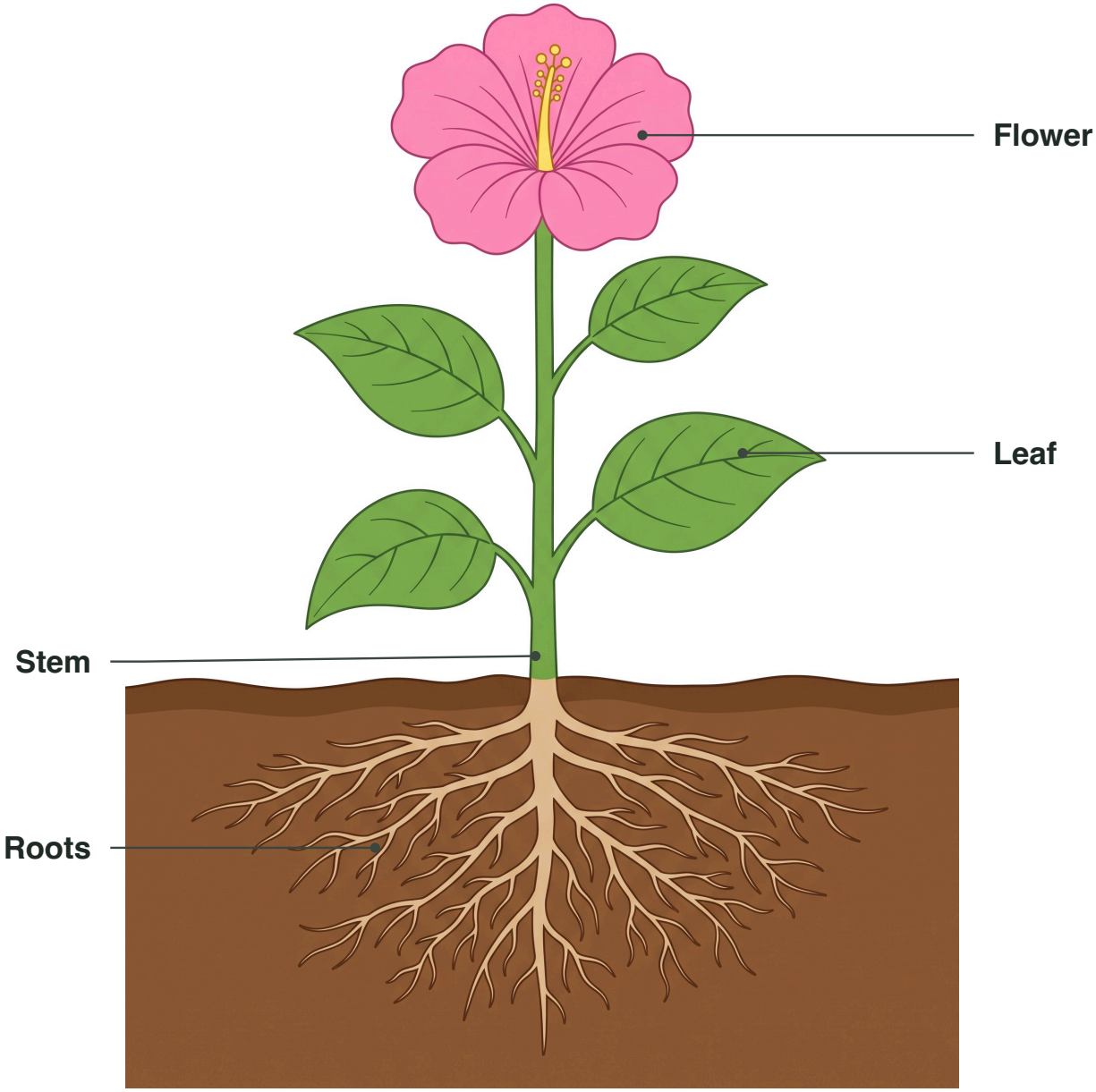
More science printables. Photosynthesis, Parts of a Plant and Flower, Life Cycle of a Plant and more at printablescholar.com/science/

Free for classroom and home use. Print as many copies as you need for your own students. Please do not resell or repost the file. More free printables at printablescholar.com.

PARTS OF A PLANT

PLANTS *Roots, stem, leaves and flower*

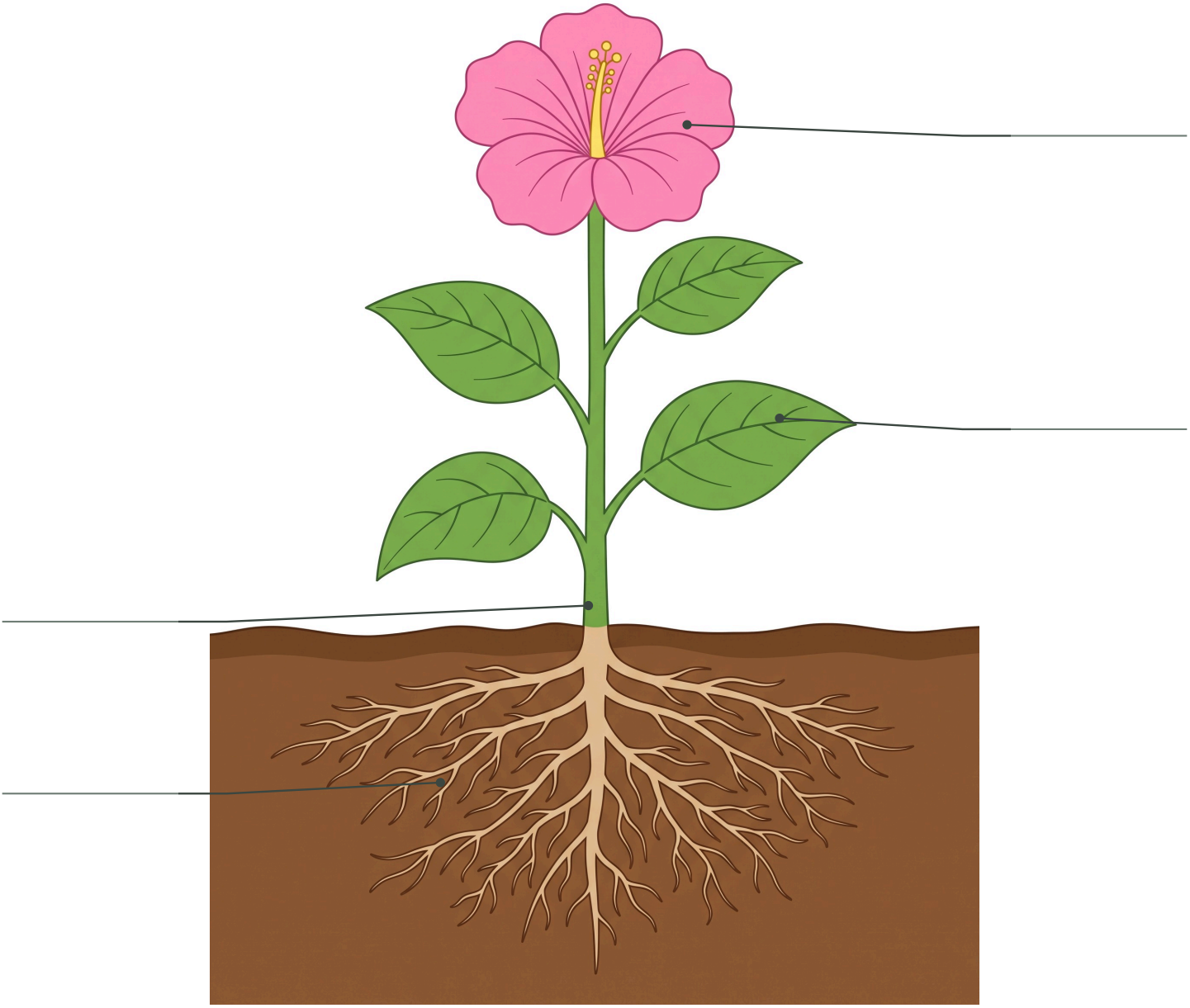
A plant has four main parts, and each one has an important job.



PARTS OF A PLANT

Name: _____

PLANTS *Write the name of each part on its line. Use the word bank.*



Word bank Flower Leaf Roots Stem

Name _____

Parts of a Plant

and what each part does

What Is a Plant?

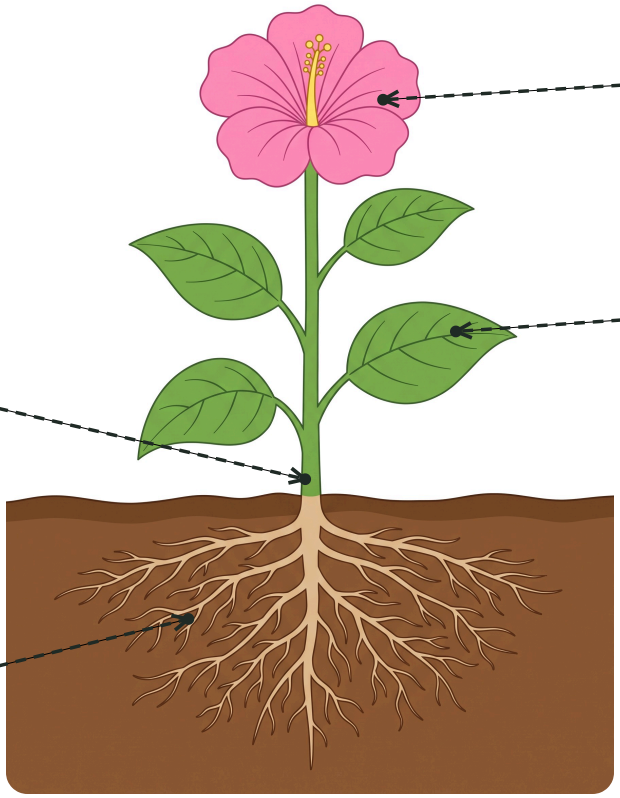
A plant is a living thing. It grows, and it makes its own food. Trees, grass and flowers are all plants.

Stem

The stem holds the plant up. It carries water up to the leaves.

Roots

Roots grow down into the soil. They hold the plant in place and take in water.



Flower

The flower makes seeds. Bees visit it.

Leaves

Leaves are flat and green. They use sunlight to make food for the plant.

Did You Know?

- We eat plant parts! A carrot is a root.
- A cactus keeps water in its thick stem.
- A sunflower can grow taller than a grown-up.

The Life Cycle of a Plant



1. Seed
A seed is planted in the soil.

2. Sprout
A root grows down and a shoot grows up.

3. Seedling
A small plant opens its first leaves.

4. Grown Plant
The plant grows tall with many leaves.

5. Flower
Flowers open. Bees carry pollen.

6. Fruit
The fruit has new seeds inside.

The new seeds can grow into new plants, and the cycle starts again!

Answer the Questions

1. Which part takes in water from the soil? _____

2. Which part makes seeds? _____

True or False? Circle T or F.

3. The stem holds the plant up. **T** **F**

4. Roots grow up toward the sun. **T** **F**

5. A seed can grow into a new plant. **T** **F**

Draw a plant. Label its parts!

Name _____

Every Part Has a Job

Read the text. Then answer the questions.

A plant has four main parts. Each part has a job to do.

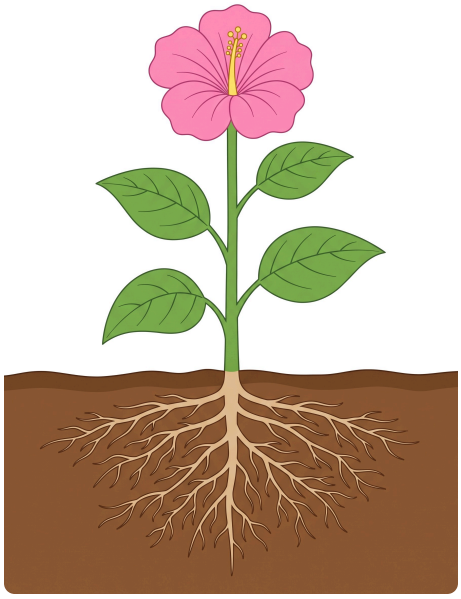
The **roots** grow down into the soil. They hold the plant in place. They take in water.

The **stem** holds the plant up. It carries water from the roots up to the leaves.

The **leaves** are flat and green. They use sunlight to make food for the plant.

The **flower** makes seeds. A seed can grow into a new plant.

A plant needs water, air and sunlight to grow.



1. **Which part grows down into the soil?**
   - ○ The flower
   - ○ The leaves
   - ○ The roots
2. **Which part makes seeds?**
   - ○ The flower
   - ○ The stem
   - ○ The roots
3. **What do the leaves do?**

4. **Name two things a plant needs to grow.**

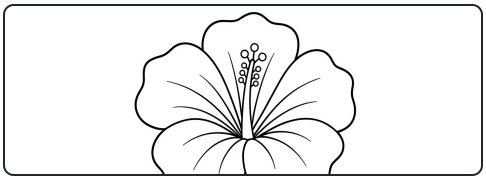
5. **What would happen to a plant with no roots? Tell why.**

Name _____

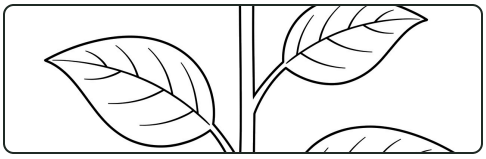
Which Part Do We Eat?

We eat many parts of plants. Paste each food from the card page beside the part it is.

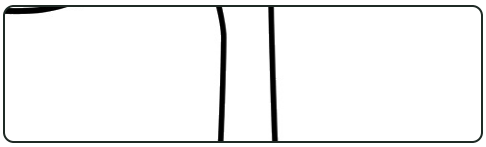
Flower makes seeds



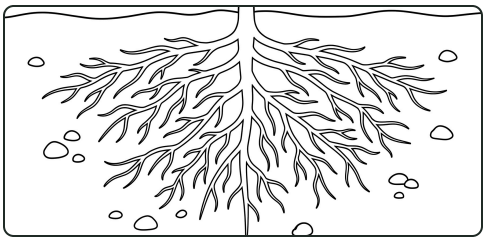
Leaves make food from sunlight



Stem holds the plant up

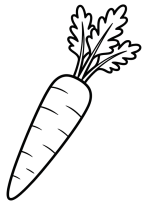


Roots grow down into the soil



Which Part Do We Eat?: Food Cards

Read each clue. Cut out the cards on the dashed lines. Paste each food beside the part of the plant it is.



Carrot

I am orange. I grow down into the soil.



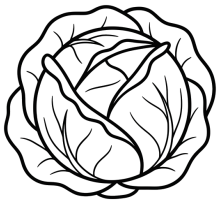
Asparagus

I am a young shoot. I stand up straight and hold the plant up.



Lettuce

I am flat and green. I make food from sunlight.



Cabbage

I am green and wrapped in a ball. I make food from sunlight.



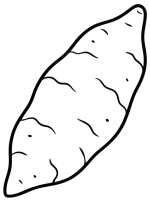
Cauliflower

I am a bunch of white buds. Look inside my name!



Spinach

I am flat, green and soft. I make food from sunlight.



Sweet potato

Dig me up! I grow down into the soil.



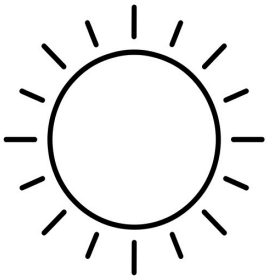
Broccoli

I am a bunch of tiny green buds. Buds open and make seeds.

 Name _____

Grow a Plant

This garden is empty! Draw a plant, one part at a time. Tick the box when each part is done.

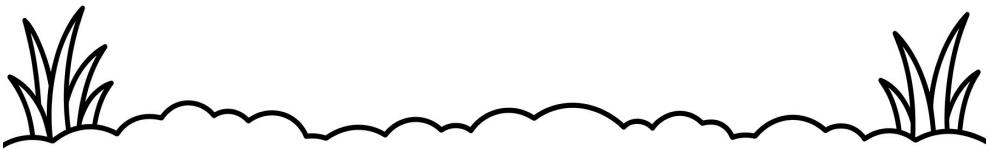




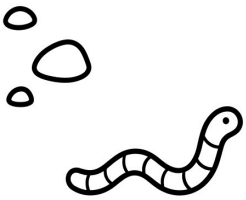
- [ ] **Flower**
  Draw it at the top, up in the sun

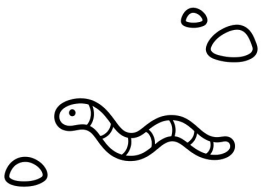
- [ ] **Leaves**
  Draw two or more on the stem

- [ ] **Stem**
  Draw it going up from the soil



- [ ] **Roots**
  Draw them spreading down in the soil





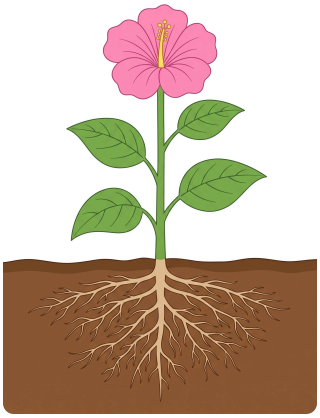
Now color it. What color is your flower?

My plant needs _____ and _____ to grow.

Name _____

Which Part?

Read each clue. Circle the part of the plant it tells about.



1. They grow down into the soil.
   Roots Stem Leaves Flower

2. It holds the plant up.
   Roots Stem Leaves Flower

3. They use sunlight to make food.
   Roots Stem Leaves Flower

4. It makes seeds.
   Roots Stem Leaves Flower

5. They take in water from the soil.
   Roots Stem Leaves Flower

6. It carries water up to the leaves.
   Roots Stem Leaves Flower

7. It is at the top, and bees visit it.
   Roots Stem Leaves Flower

8. They are flat and green.
   Roots Stem Leaves Flower

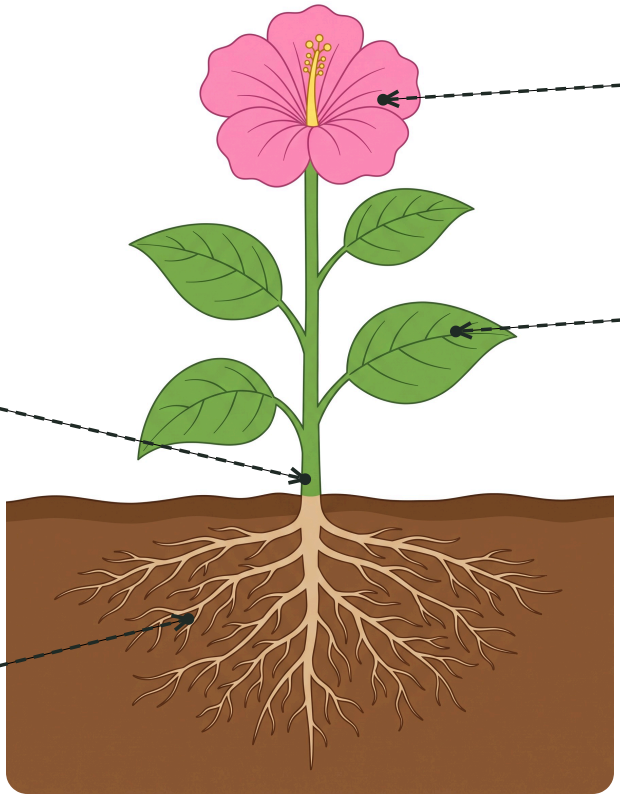
Answer Key

Parts of a Plant

and what each part does

What Is a Plant?

A plant is a living thing. It grows, and it makes its own food. Trees, grass and flowers are all plants.



Flower

The flower makes seeds. Bees visit it.

Leaves

Leaves are flat and green. They use sunlight to make food for the plant.

Stem

The stem holds the plant up. It carries water up to the leaves.

Roots

Roots grow down into the soil. They hold the plant in place and take in water.

Did You Know?

- We eat plant parts! A carrot is a root.
- A cactus keeps water in its thick stem.
- A sunflower can grow taller than a grown-up.

The Life Cycle of a Plant



1. Seed
A seed is planted in the soil.

2. Sprout
A root grows down and a shoot grows up.

3. Seedling
A small plant opens its first leaves.

4. Grown Plant
The plant grows tall with many leaves.

5. Flower
Flowers open. Bees carry pollen.

6. Fruit
The fruit has new seeds inside.

The new seeds can grow into new plants, and the cycle starts again!

Answer the Questions

1. Which part takes in water from the soil? **the roots**

2. Which part makes seeds? **the flower**

True or False? Circle T or F.

3. The stem holds the plant up. **(T)** F

4. Roots grow up toward the sun. T **(F)**

5. A seed can grow into a new plant. **(T)** F

Draw a plant. Label its parts!

Drawings will vary. Look for roots under the soil and the four parts labeled.

Every Part Has a Job: Answer Key

Answers are in green. Written answers will vary; these are examples.

A plant has four main parts. Each part has a job to do.

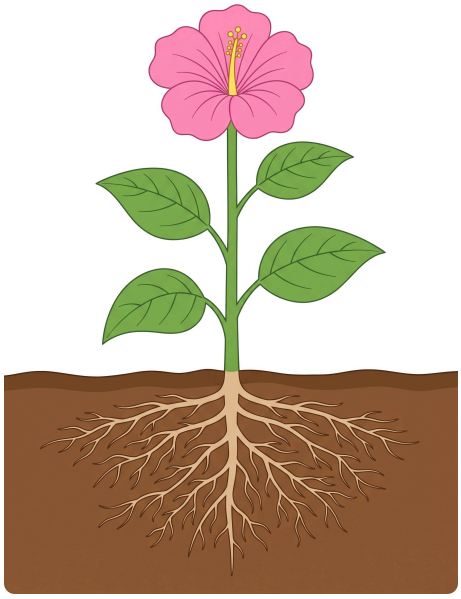
The **roots** grow down into the soil. They hold the plant in place. They take in water.

The **stem** holds the plant up. It carries water from the roots up to the leaves.

The **leaves** are flat and green. They use sunlight to make food for the plant.

The **flower** makes seeds. A seed can grow into a new plant.

A plant needs water, air and sunlight to grow.



1. **Which part grows down into the soil?**
   - ○ The flower
   - ○ The leaves
   - ● **The roots**

2. **Which part makes seeds?**
   - ● **The flower**
   - ○ The stem
   - ○ The roots

3. **What do the leaves do?**

   They use sunlight to make food for the plant.

4. **Name two things a plant needs to grow.**

   Any two of: water, air, sunlight.

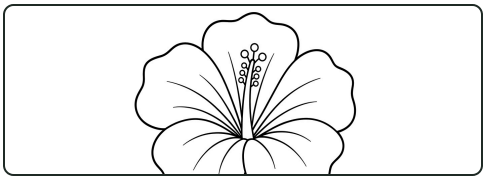
5. **What would happen to a plant with no roots? Tell why.**

   Answers will vary. Example: It would fall over and dry out, because roots hold the plant in place and take in water.

Which Part Do We Eat?: Answer Key

Each food is beside the part its clue names. The order inside a row does not matter.

Flower makes seeds



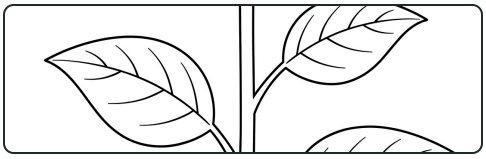


Broccoli



Cauliflower

Leaves make food from sunlight

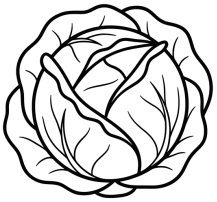




Lettuce

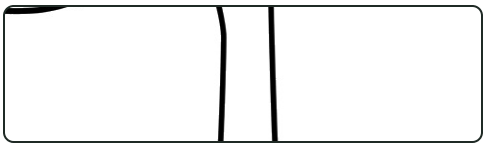


Spinach



Cabbage

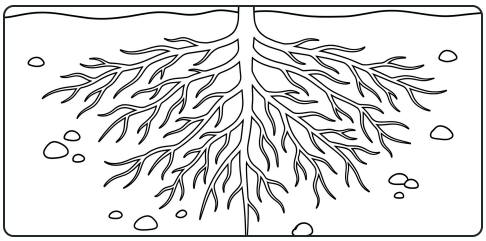
Stem holds the plant up

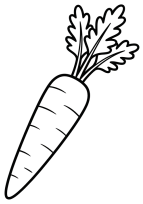




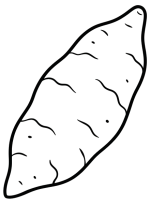
Asparagus

Roots grow down into the soil





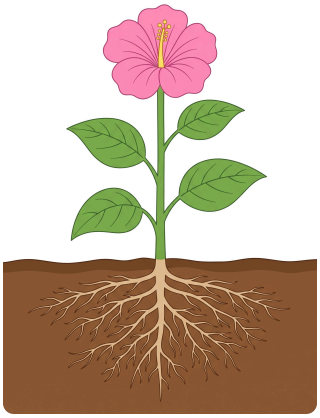
Carrot



Sweet potato

Which Part?: Answer Key

Answers are in green.



1. They grow down into the soil.
   Roots Stem Leaves Flower

2. It holds the plant up.
   Roots **Stem** Leaves Flower

3. They use sunlight to make food.
   Roots Stem **Leaves** Flower

4. It makes seeds.
   Roots Stem Leaves **Flower**

5. They take in water from the soil.
   Roots Stem Leaves Flower

6. It carries water up to the leaves.
   Roots **Stem** Leaves Flower

7. It is at the top, and bees visit it.
   Roots Stem Leaves **Flower**

8. They are flat and green.
   Roots Stem **Leaves** Flower