

Parts of a Plant

NOTES SIDE

Before you start—draw your plant below (then label when you have completed the table).

Using your plant, the internet, and procedure sheet, complete the table below.

Plant Part	Observations	Function

Where do you think the seeds would develop? Why? What is your evidence?



Name _____

Plants

Plant Parts

Green, flowering plants grow all around you. Beautiful red roses, tall cornstalks or prickly thistle weeds are all green, flowering plants. Green, flowering plants have six parts: stem, root, leaf, flower, fruit and seeds.



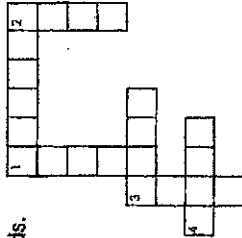
Directions: Complete the word puzzle. Then, use the words from the puzzle to label the plant.

Across:

1. I often have bright colors, but my real job is to make seeds.
3. I carry water from the roots to the leaves and food back to the roots.
4. I collect energy from the sun to make food for the plant.

Down:

1. I often taste delicious, but my job is to hold and protect the seeds.
2. I hold the plant tight like an anchor, but also collect water and minerals from the soil.
3. Someday a new plant will grow from me.



Fantastic Facts

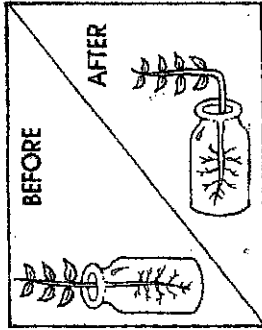
The American Indians used every part of the sunflowers they grew. They ate the root and fed the stem and leaves to their animals. They ground the seeds for meal flour and used the yellow petals for dye. They even used the oil from the seeds for their hair.

Plant Movements

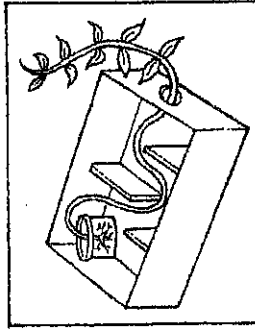
Name _____

After a seed germinates and anchors itself by its roots in one place it can still show some movement. These movements are called tropisms. Tropisms are a plant's response to stimuli such as light, gravity and water.

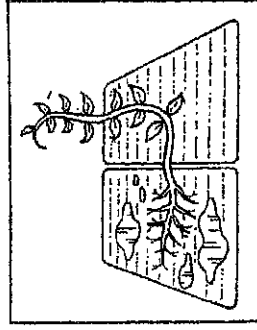
Geotropism, hydrotropism and phototropism are three tropisms that are easily demonstrated with bean seedlings. Research these three types of tropisms using an encyclopedia, biology book, botany book or some other source. Study the pictures of the three experiments. Name the kind of tropism. Explain what is happening in each picture.



Kind of Tropism: _____
What happened? _____



Kind of Tropism: _____
What happened? _____



Kind of Tropism: _____
What happened? _____