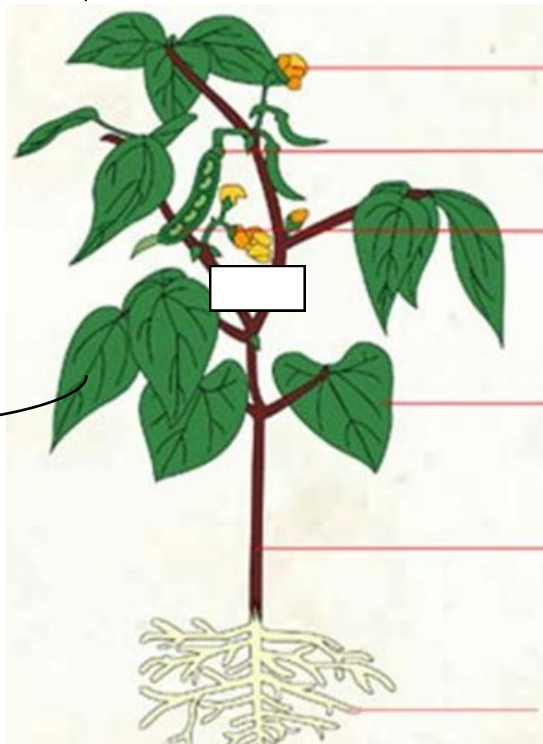
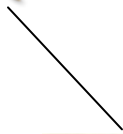


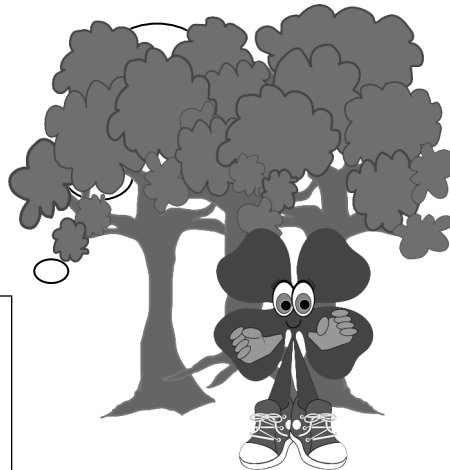
Plant City

Label the parts of a plant on the picture below.



- Word Choices
- Stem
 - Leaf
 - Roots
 - Fruit
 - Flower
 - Seed

Photosynthesis is the process by which plants make food! Plants are very important to us, as they create oxygen so we can breathe and provide us with food to eat!



Color the steps (arrows) of photosynthesis: light (yellow), water (blue), carbon dioxide (black), oxygen (pink) and sugar (red).

Digging Deeper ...



You Try!

- Look for examples of competition in your yard or local park.
- Plant two plants in the same pot. Make sure one is in the shade and receives less light and the other receives plenty of light. This can be done by placing a piece of cardboard between the plants. Observe their growth.

Record your observations below:

Career Exploration

An example of a career involving plant behavior is a ... plant scientist.

What does a plant scientist do?

What skills are required for this job?

What other careers involve plants?

Words to know!

Competition

Obstacles

Genetics

Generation

Fertilizer

4-H Projects About Plants...

Garden and Horticulture

Plant Science

Food Science

Nutrition, Health and Fitness

Did you know?

- Only plants that survive *competition* and other *obstacles* produce seeds. Therefore, the *genetics* of those plants are passed to the next *generation*.
- Farmers and gardeners provide nutrients through *fertilizer* to reduce competition. This allows more plants to survive.
- Everything you eat can be traced back to a plant.
- The state of Tennessee has 10.9 MILLION acres of farmland! The top crops are nursery products, soybeans and corn. This is a \$2.2 BILLION industry!