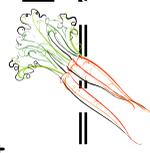
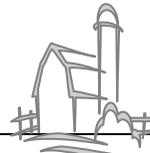


Trivia Facts



- Vitamin A in carrots help you see at night.
- B vitamins in leafy green vegetables help make energy and set it free when your body needs it.
- Broccoli and tomatoes contain Vitamin C which help your body resist infection and heal if it is cut.



Farm Facts

- It takes the energy from 50 leaves to produce one apple.
- Squash and pumpkins have been cultivated for more than 9,000 years.
- The two most popular vegetables are potatoes and lettuce.
- The inside of a cucumber can be 20 degrees cooler than the outside air.
- Cucumbers are about 95% water and have very little nutritional value.



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Brain Teasers ... Find the Flower



Fill in the blanks for each sentence. The sentence is a clue to help you name a flower. Write the flower name in the blank when you have figured it out. Be careful! The flower name may not be spelled the same as your clues!

1. I cooked the fish in the frying _____. I caught the fish in the deep blue _____. My name is _____.
2. Both of you should listen. I want the two of you to be quiet when I put my _____ fingers to my _____. My name is _____.
3. I'm very, very _____ because I found a pot of _____ at the end of the rainbow. My name is _____.
4. It is a beautiful _____. The sun is shining, and you can _____ the pretty white clouds in the sky. My name is _____.
5. May I have some _____ on my bread to go with my _____ of tea? My name is _____.



Brain Teaser Answers

- | | | | | |
|-------|--------|-----------|-------|-----------|
| 1. | 2. | 3. | 4. | 5. |
| pansy | tulips | marrigold | daisy | buttercup |



AG-Mazing News ~ Links to Agriculture

Thirsty Stems



Each part of a plant has a special job to do. Look carefully at the plant below. Read the description of each plant part. Then draw a line that connects the **name** of the part to the **plant part** and then to the **function** of that part.

Seeds

Leaves

Roots

Flowers

Stem



Produce seeds and attract bees for pollination
Produce new plants
Moves water and food through the plant
Soak up water and minerals; hold the plant in the soil
Collect sunlight and make food for the plant



Be a Food Detective



Go to your kitchen and gather together different kinds of canned or fresh vegetables. Look at each of the vegetables and try to figure out what part of the plant it is that you eat. For example, you eat the leaf of a lettuce plant, the root of a carrot plant, and the fruit of a tomato plant. Make a list of roots, stems, leaves, fruits, and seeds that you can eat. Can you list flowers or flower buds you can eat?

Leaves	Roots	Fruit
1. <i>Lettuce</i>	1. <i>Carrot</i>	1. <i>Tomato</i>
2.	2.	2.
3.	3.	3.
4.	4.	4.
5.	5.	5.
Stems	Seeds	Flowers or flower buds
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.
5.	5.	5.



Color Your Own Plant



Materials:

1. White flowers - Queen Anne's Lace or white carnations work best or a stalk of celery. Make a fresh cut at the bottom of the stem.
2. Food coloring - blue and red work best.
3. Clear glass filled with water

How to do the experiment:

1. Add 6-8 drops of food coloring to the water in the glass.
2. Put the flowers or celery in the glass.
3. Check back every hour and observe the level of food coloring in the plant.
Complete results may take 6-12 hours.

The white petals should ultimately turn the color of the dye added to the water. Cut the celery stem crosswise and you can see the actual tubes through which the water flows.

Explanation:

The leaves and some petals of plants contain many small pores, called stomata or stomates. Water evaporates through these pores. This process of water loss from the plant is called transpiration. When this happens, the plant draws water through its stem. The water movement through the plant is called *capillary action*. The colored water changes the color of the flower or celery stem as it travels up the stem and through the plant.

Also try...

If you want to experiment further, split the stem into 2 parts and place each section of the stem in a container with different colors of food coloring.