

WHAT YOU NEED

Food:

Water

red, blue & yellow food colouring

3 cabbage leaves or celery sticks

Equipment:

3 jam jars or large pots

Colour Changing Vegetables

WHAT TO DO

- 1 Fill each jar or pot half way with water.
- 2 Add 15 drops of food colouring to each jar.
- 3 Cut the base of the cabbage leaves or celery sticks and place in the coloured water.
- 4 Observe what happens over the next few days.



WHAT IS HAPPENING

Plants do not have a mouth like us, but they do get thirsty and need to drink the water held in the soil. Instead of a mouth, they have roots. These long hair-like shoots spread out in all directions, acting like a sponge, to drink up as much water as possible.

This water then travels through the roots, to the base of the plant. It then continues to move up the stem and into the leaves and petals. Not one part of the plant goes thirsty. This movement of water is achieved through 'capillary action'.