

RAINBOW CABBAGE

MATERIALS

- 3 Chinese Cabbage leaves
- 3 cups
- Red, blue, and yellow food coloring

DIRECTIONS

1. Acquire some Chinese Cabbage from your local supermarket.
2. Create your color cups by mixing food coloring and water. Do not be afraid to put in too much food coloring.
3. Put the cabbage leaves in the water with the bottom stem completely submerged.
4. Leave the experiment overnight.
5. Check out your beautiful new Rainbow Cabbage!

STEM ACTIVITY CARDS



ACTIVITY FOUND AT:
<http://figure8.net/writing/2015/03/06/simple-science-how-plants-absorb-water-and-nutrients/>

WHY?

It is a simple process, but the results are magnificent. You can do this by using the transportation system of vascular plants. The xylem tube of the cabbage sucks in water and sends it to the top end, to the leaves of the plant.

If the stem of a cabbage is submerged in colored water, it will pump the colored water to the leaves. When the water evaporates from the leaves, the color particles remain behind, leaving you with your very own “Rainbow Cabbage”!

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SCIENCE TERMS FOR FURTHER DISCUSSION:

- Xylem
- Phloem
- Pigment
- Color