

Straw Activity: How is water transported through the stem?

- First gather the following materials:
 - Straw
 - Cup
 - Scissor
 - Water



Straw Activity

Procedure:

- 1) Fill a cup with water*
- 2) Place the straw in the cup and attempt to draw water to the top of the straw and observe how the straw is able to transport the water to the top*
- 3) Try making a small cut with a pair of scissors to the straw*
- 4) Now with the damaged straw try and draw the water to the top of the straw using the same method you tried earlier*
- 5) Observe and write why you think the water is not as easily transported to the top of the straw.*



Straw Activity Explanation

- *So, why are we using a straw to draw water from a cup?*
- *The straw represents the stem of the plant and the top represents the flower and the leaves.*
- *Using this analogy, it shows us how a plant stem functions; how the straw draw water from the cup is similar to the stem draw water from the root.*
- *We can also observe that when the straw is damaged, it takes more energy than a normal functioning straw, it is the same way for plant stems; transport less water to the parts of the plant that require water.*

