

THE WATER CYCLE

Activity 4

Transpiration Experiment

You will need – a clear plastic bag and an elastic band

Transpiration is when plants take water in through their roots and pass it out through their leaves through tiny holes called stomata.

This experiment will show you how much water is transpired through the leaves of plants. Try this with a few different plants to see if the results are different.

Step 1 Tie a clear, clean plastic bag firmly around some leaves on a bush, taking care not to harm it. Make sure the bag has no holes in it.

Step 2 Check the bag daily to see what happens. Are all bushes the same?

Other Ideas:

- Come up with some ideas why transpiration is important to the environment and what you can do you help it keep happening.

