






Activity sheet 6: What do plants need?




Plants need energy to grow; they need water as well as heat and light from the sun. In this experiment you will test what will happen to a plant if it does not get all the energy it needs.

-  Plant 1 will not have any sunlight, heat or water.
-  Plant 2 will not have any water or heat but will have sunlight.
-  Plant 3 will have water, sunlight and heat.

Before you start the activity, draw in your workbook what you think each plant will look like at the end of the experiment and explain why you think it will look like this.




You will need: 3 small plants in pots and a box to cover plant 1.

Instructions:

-  Place plant 1 outside or somewhere it will not get any heat. It should also be kept in the dark so cover it with a box. You should not water plant 1.
-  Place plant 2 outside where it will get some sunshine. You should not water this plant and it should be kept in the cold.
-  Place plant 3 in a warm, sunny position in a greenhouse or on a windowsill. You should water this plant and look after it properly.

Plant energy diary

Check your plants every two days and record what you see in your workbook using the following prompts;

-  What does the soil look like?
-  Is the plant growing properly?
-  Does the plant look happy and healthy?

