

# Reach for the Sky!

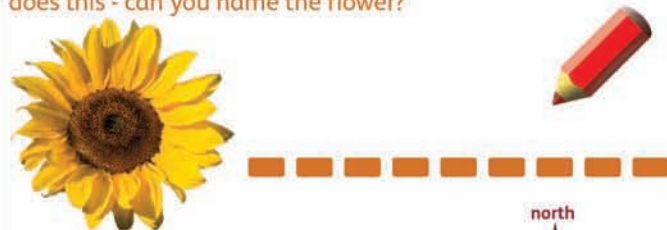
Plants are always moving. They are moving when they grow, and because they need sunlight to grow, they will always reach towards the light. Plants have to battle each other to get the most sunlight, which is why in jungles like the Amazon, trees can grow up to 60 metres tall.

Go to the woodland and have a look at all the trees around you. Which one do you think is winning the race for sunlight?

Have a look at this picture below and see if you can work out which direction the seedling under the tree will grow. Put an arrow pointing in the direction you think it will grow.



Some plants even love the sun so much, that their flowers move during the day and follow it round. The flower below does this - can you name the flower?



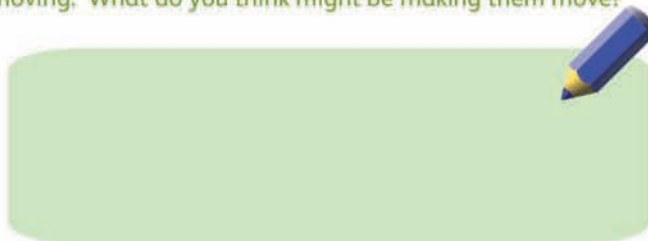
If you were one of these flowers which way would you face in:

- the morning ☐ ☐ ☐ ☐
- the evening ☐ ☐ ☐ ☐

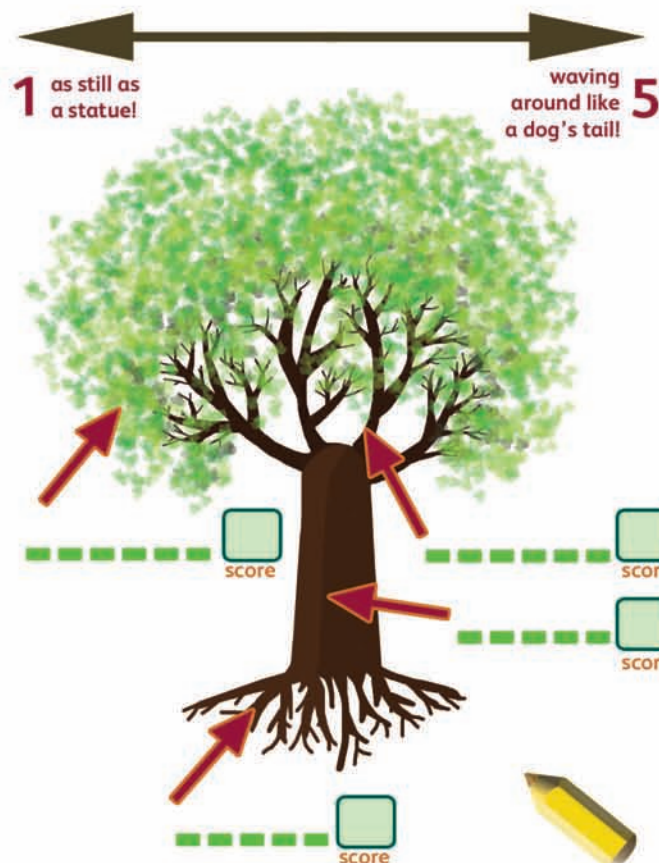


# The Moving Garden

Go down to the Queen Mother's Lake and sit quietly. Watch everything around you carefully and see if you can see plants moving. What do you think might be making them move?



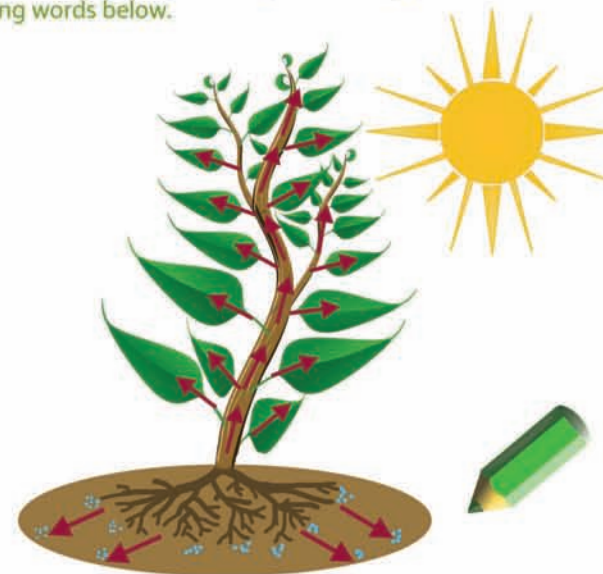
Find a tree to look at. See which parts of it you can see moving. Label all the different parts of the tree below and give them a movement score on a scale from 1 to 5:



# Invisible Movement

Just because you can't see a plant moving, that doesn't mean that it isn't! The roots of a plant move and grow in the soil and there is movement happening inside the plant all the time.

Sit down and have a good look at a plant that you like and see if you can work out where there might be some invisible movement. Use the plant diagram to help you fill in the missing words below.



The o o of a plant move in the s to reach for t. This then moves from the roots to the em and branches and then to the av. The leaves then make g y from u g, air and water and the plant is able to w.

Did you know that some plant bulbs have special roots called 'contractile roots' which they use to pull themselves deeper into the soil.