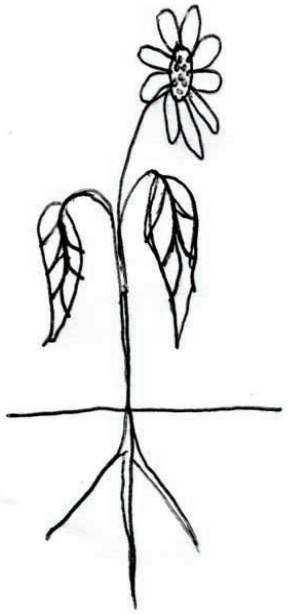
9C Plants

Water is an essential component of photosynthesis - plants will die without water. Your task is to describe the path taken by water, starting with a raindrop and ending with the water molecule transformed into a sugar molecule.



You must

outline the main structures involved as the water moves through the soil and root up the stem to the leaves.

You should

give some details as to how each structure matches its purpose, perhaps also mentioning plants that are adapted for living in desert conditions or underwater.

You could

describe the importance of the measurements made by van Helmont and the steps that you would take in order to carry out a similar experiment.

An experiment for you to try - place the bottom of a stick of celery in a jar containing dilute blue ink - then OBSERVE for the next three days.

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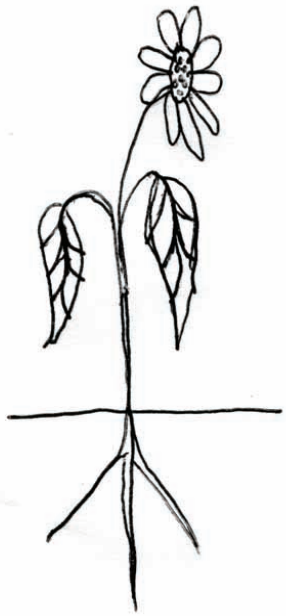

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