

Home Assignment

1 How do the shoot and roots of a plant respond to the pull of earth's gravity?

The shoot part of the plant shows negative geotropism by growing in the opposite direction of the gravity. The root part of the plant shows positive geotropism by growing in the same direction of the gravity.

2 Describe an activity to illustrate the phenomenon of phototropism and explain why does it occur.

Phototropism is defined as a movement of part of the plant in response to light. If we keep a flower plant in a dark room with a window which is the only source of light in that room then the plant will bend towards the sunlight. It occurs

because Auxin is produced in
that part of the plant where
the sunlight falls.