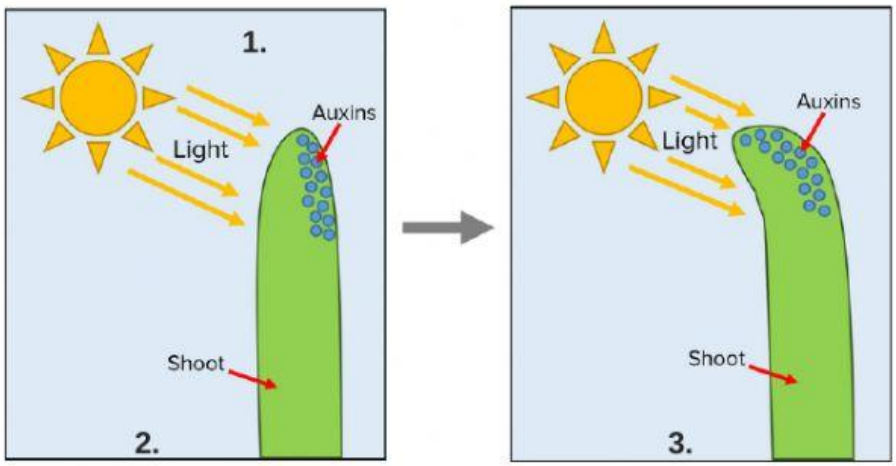
LEVEL 9: PLANT HORMONES

1. Phototropism process



Auxins accumulate in the side of the shoot tip furthest away from the light source.

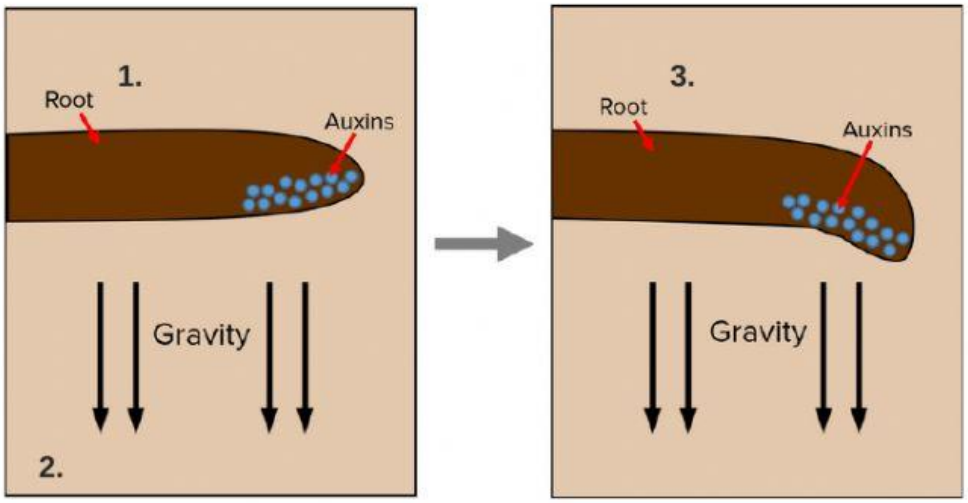
Cells therefore grow and elongate more on the shady side of the plant, causing the shoot to bend towards the light.

Auxins promote growth in plant shoots.

LIVEWORKSHEETS

LEVEL 9: PLANT HORMONES

2. Geotropism process



The shoot is to bend downwards, in the direction of gravity due to these cells growing and elongating less than the cells on the upper side.

Auxins inhibit growth in plant roots.

If a root is growing sideways, auxins will accumulate in the lower side of the root tip due to gravity.

LIVEWORKSHEETS