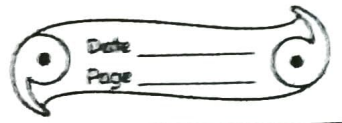


20/10/21
15/7/21



1- \rightarrow Shoot part of the plant shows $-ve$ geotropism by growing in the opposite direction of gravity.

\rightarrow Root part of plant show $+ve$ geotropism by growing in the same direction of gravity.

\rightarrow That's how both root and shoot of a plant respond to the pull of earth's gravity.

2- Phototropism Experiment

(1) \rightarrow Fill a conical flask with water.

~~(2) \rightarrow Cover the top of beaker with a wire mesh.~~

(2) \rightarrow Put a sunflower or any other plant in it.

(3) \rightarrow Cover it with a cardboard with one side open.

(4) \rightarrow Leave it undisturbed for sometime.

(5) \rightarrow Now observe the change in roots and shoots it will show, root is away from the light ($-ve$ phototropism) and shoot is towards the light ($+ve$ phototropism).

Explanation - A chemical named Auxin is secreted in the whole plant, but Auxin prefers to get collected on dark side of roots which promotes the growth of shoots which are on light side of plant.