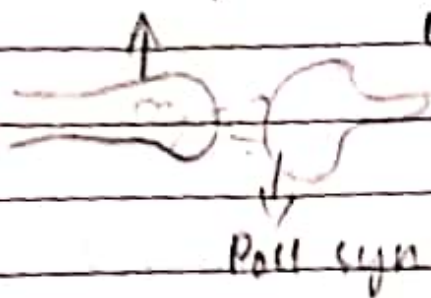


Pre Synapse



Chemicals neurotransmitter
receptors for neurotransmitter
impulse

Post Synapse

Transmission is also called Synapse.

Neurotransmitter Junction

Homework

10) How do shoots and roots respond to earth's pull gravity

The roots of plants always grow downwards in response to gravity to find soil and water. The stems of plants always grow up away from pull of gravity to make sure they get light.

Describe an activity to illustrate phototropism. We first take a potted plant in a transparent jar.

We then put a pot a plant in sunlight when the rays fall just above. We see that the stem grows straight and root grows downwards. Then we take an other plant and place it in a place where light fall from a side.

We observe that the stem bends in the direction of light

This observation shows that the plants stem always bend towards the direction of light.

This usually occurs due to the accumulation of a hormone called auxin. It mostly get accumulated in the shaded part.