

CONTROL AND CO-ORDINATION

WORKSHEET - 1

CLASS 10

1. Which is tropism?

Ans. Nerve cell.

2. How many pairs of spinal nerves arise from spinal cord?

Ans. 31 pairs.

3. How brain is protected from injury and shock?

Ans. (i) The brain is located inside a bony box cranium. (ii) The brain is contained in a fluid-filled balloon which provides further shock absorption.

4. State function of cytokinins.

Ans. Stem moves away from gravity (negatively geotropic) while root moves towards gravity (positively geotropic)

5. Give one example of chemotropism.

Ans. Growth of pollen tube towards ovules.

6. Name the four stimuli which act on plants.

Ans. Light, Gravity, Water and Touch.

7. Give an example of a plant hormone that promotes growth.

Ans. Auxin.

8. Name two plant hormones (other than auxin) which promote growth.

Ans. Gibberellins and Cytokinins.

9. Give one example of a plant hormone which inhibits growth (stops growth).

Ans. Abscisic acid.

10. How do plant cells change shape?

Ans. The plant cells change shape by changing the amount of water in them resulting in swelling or shrinking, and hence in changing shape.

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