

**SCIENCE**Class ▶ VIII Section ▶ Date ▶ Name ▶ Roll No. ▶ **Answer the following questions.**

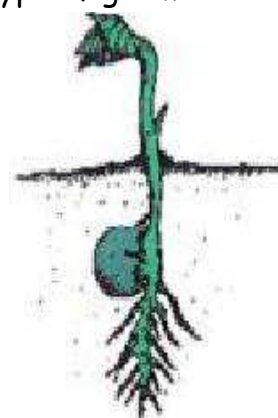
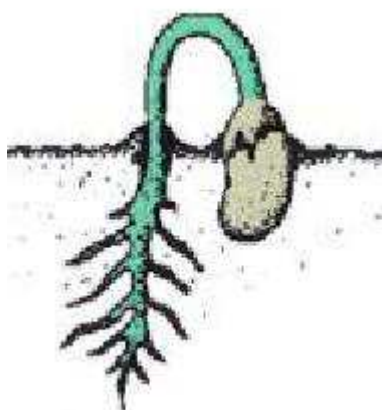
- 1) Why water is used as a coolant in the radiators of car?
- 2) Why do we prefer warm water in hot water bottles for fomentation?
- 3) Explain the formation of land breeze with a diagram
- 4) Explain the formation of sea breeze with a diagram
- 5) Which one has more heatcapacity- a mug of water or a bucket of water? Give reason.

CHEMISTRY

1. Draw the structure of sodium ion and sodium atom.
If both K and L shells of an atom are full, what is the total number
2. of electrons in the atoms?
3. a) What would be the electronic configuration of a positively charged magnesium ion? What would be its electron number?
b) Give a diagrammatic representation of chlorine atom and ion.

BIOLOGY

1. What are hormones ?
2. Identify the diagram given below and write the type of germination.



3. Draw and label the diagram of a sperm and an ovum.

