G D GOENKA PUBLIC SCHOOL

Subject: Ev.Sc. / 5TH

Aspect: Tutorial

14th March 2022(Shift I)

Lesson no.: 1 Growing Plants

Learning Objective: To understand the process of seed germination

Skills: Development of environmental sensitivity.

Germination

The process in which a plant emerges from a seed and begins growth is called germination i.e. the beginning of the growth of a seed into a seedling is known as germination.

- During the early stages of germination, the seedling gets the food required for its growth from the cotyledons
- After the food stored inside the cotyledons is used up by the seedling , they obtain it from the soil
- The seedling absorbs water and nutrients from the soil with the help of its roots
- Water softens the seed coat, making it easy for the plantlet to come out
- It then develops leaves and grows into a plant

- Air reaches the seedling through pores in the soil
- This is why soil is important for plant growth

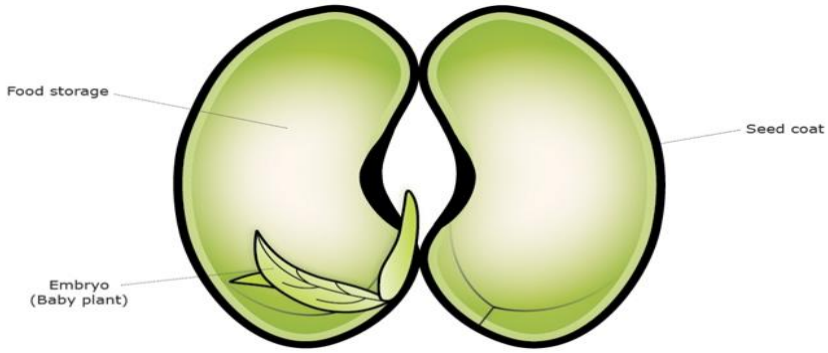
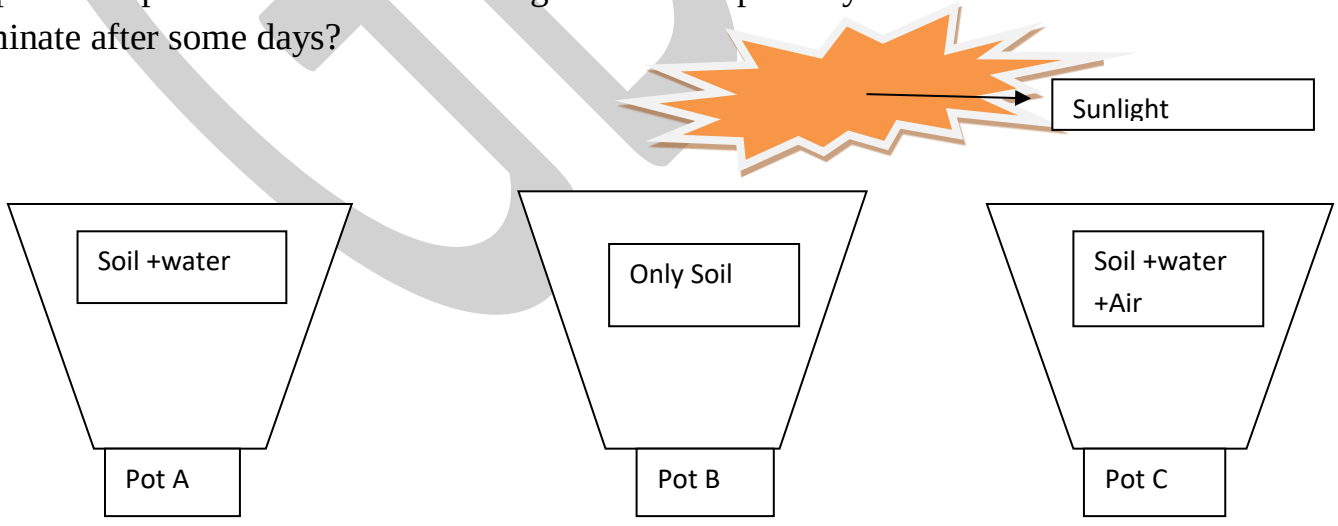
Major factors necessary for seed germination in plants

- Temperature
- Water
- Air
- Light
- Soil

Homework:

After maintaining the index, write-down the below given questions on your Ev.Sc notebook

Q1.What is Germination? Which part of the seed contains food for the baby plant?



Q2. Three pots with seeds are shown below .Pot A has been kept in dark room while pot B and pot C are provided with sufficient light. In which pot do you think the seeds will germinate after some days?