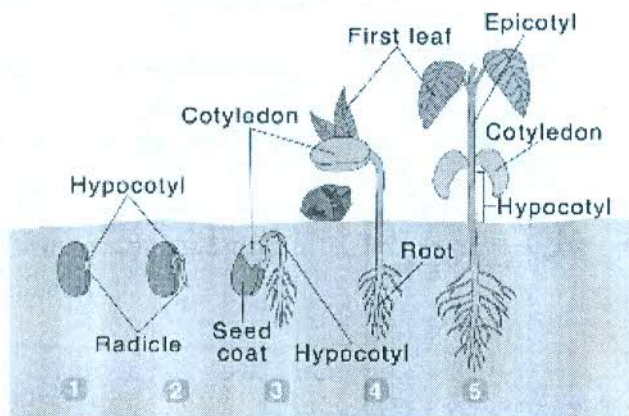


# Reproduction in Plants

**Sexual Reproduction:** Sexual reproduction is a process in which sperm and egg fuse to form a zygote. Zygote develops into embryo which passing through many developmental stages forms a new organism.

**Asexual Reproduction:** Asexual reproduction is a process of producing offspring which does not involve fusion of male and female gametes and formation of Zygotes.

**Seed Germination:** Seed sown in the soil for germination and grow into young plant. Radicle germinates to form a root. Plumule germinates to grow as leaves and stem of the shoot. Cotyledons form the first leaflets of seed.



1. What is outermost covering of seed is called?

The outermost covering of a seed is called seed coat.

2. Write the difference of sexual and asexual reproduction?

In sexual reproduction, an organism combines the genetic information from each of its parents and is genetically unique. In asexual reproduction, one parent

3. In which part of plant plumule germinates?

Plumule germinates to grow as leaves and stem of the shoot.

4. Which part of seed form the first leaflets?

cotyledons form the first leaflets of seed.

Germinate your own gram seed and observe its germination.



copies itself to form a genetically identical offspring.