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STUDY MATERIAL SCIENCE

CLASS-VIII

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▶ 9. Reproduction in Animals

(Revision Notes - 2)

Sexual Reproduction: The process of reproduction, which results from the fusion of male and female gametes is called sexual reproduction.

Sperms: The male gametes.

Eggs: Eggs (or Ova) are female gametes.

Fertilization: The fusion of ovum and the sperm is called fertilization.

Internal Fertilisation: Fertilisation that takes place inside the female body is called internal fertilisation. This is observed in human beings and other animals such as cows and dogs.

External Fertilisation: Fertilisation that takes place outside the female body is called external fertilisation. This is common in aquatic animals such as frogs, fish, starfish, etc.

Zygote: The nuclei of sperm(n) and egg(n) are fused during fertilization, to form a single nucleus. Egg after fertilization is called Zygote.

Embryo: Zygote, during its development, divides repeatedly to form a ball of cells. The cells then form groups to form tissues and ultimately organs of the body. This structure is called embryo.

Foetus: It is the stage of embryo in which all the body parts are identifiable in its developmental stage.

Cloning: Cloning is the creation of an organism that is an exact genetic copy of another. This means that every single bit of DNA is the same between the two organisms.