

VIDYA BHAWAN BALIKA VIDYAPEETH

STUDY MATERIAL SCIENCE

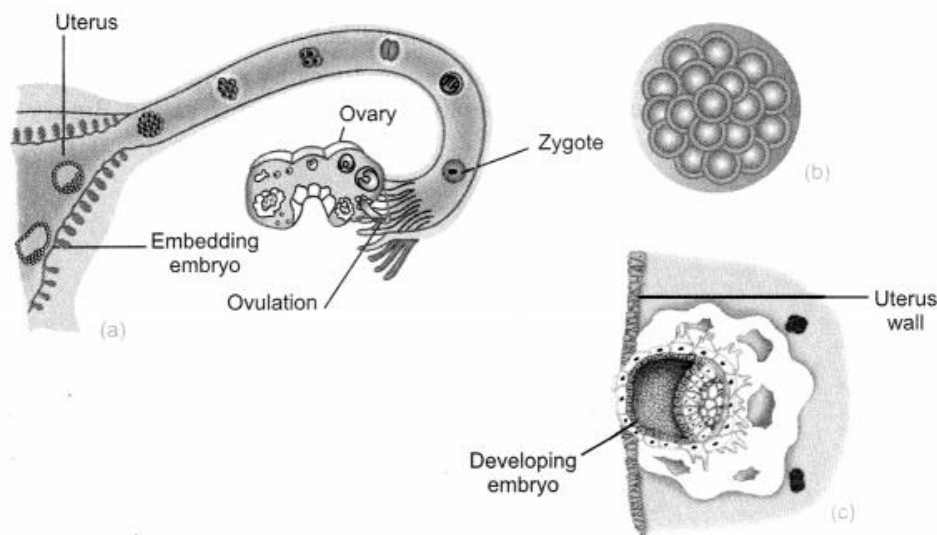
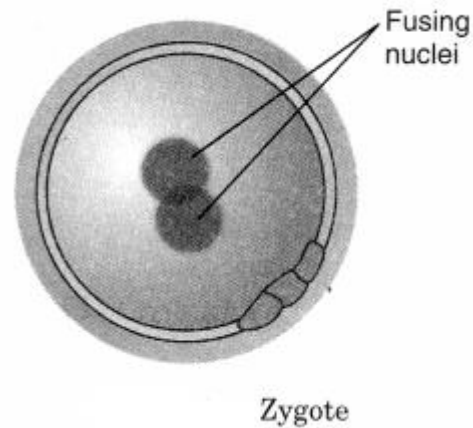
CLASS-VIII

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► Reproduction in animals

During fertilisation, the nuclei of the sperm (n) and the egg (n) are fused to form a single nucleus (2n). This fertilised egg is called zygote. The zygote divides repeatedly to give rise to a ball (mass) of cells. The cells then begin to differentiate into various tissues. This developing structure is called an embryo.



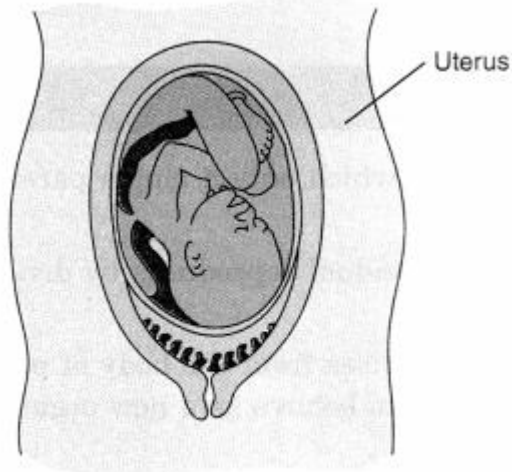
(a) Zygote formation and development of an embryo from the zygote

(b) Ball of cells (enlarged)

(c) Embedding of the embryo in the uterus (enlarged)

The embryo gets implanted within the wall of the uterus, i.e., endometrium for further development.

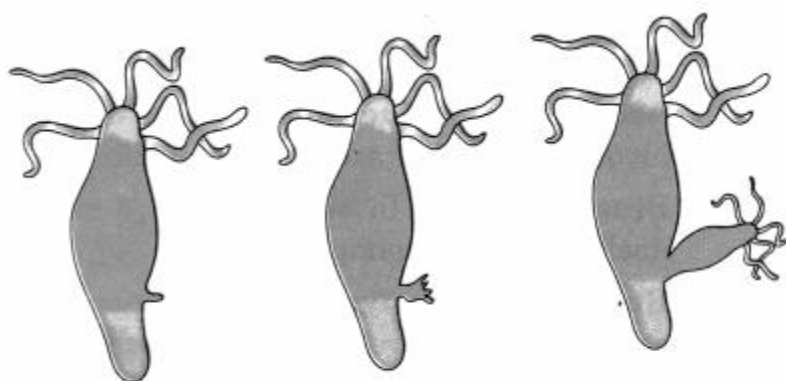
The stage of the embryo in which all the body parts are identifiable is called a foetus.



Foetus in the uterus

The animals which give birth to young ones are called **viviparous animals**. The animals which lay eggs are called **oviparous animals**.

The transformation of larva into an adult through drastic changes is called **metamorphosis**.



Budding in Hydra