



LESSON 13

**SEXUAL
REPRODUCTIVE
IN ANIMALS**

Important Question?

How does sexual reproductive in animals take place?

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Most animals can only produce a new individual when two parents are present. This called **sexual reproduction**. Frog, chicken, cows, and many other animals reproduce by sexual reproduction.

Sexual reproduction takes place when sex cells from two parent animals (one male and one female) unite to form a new animals.

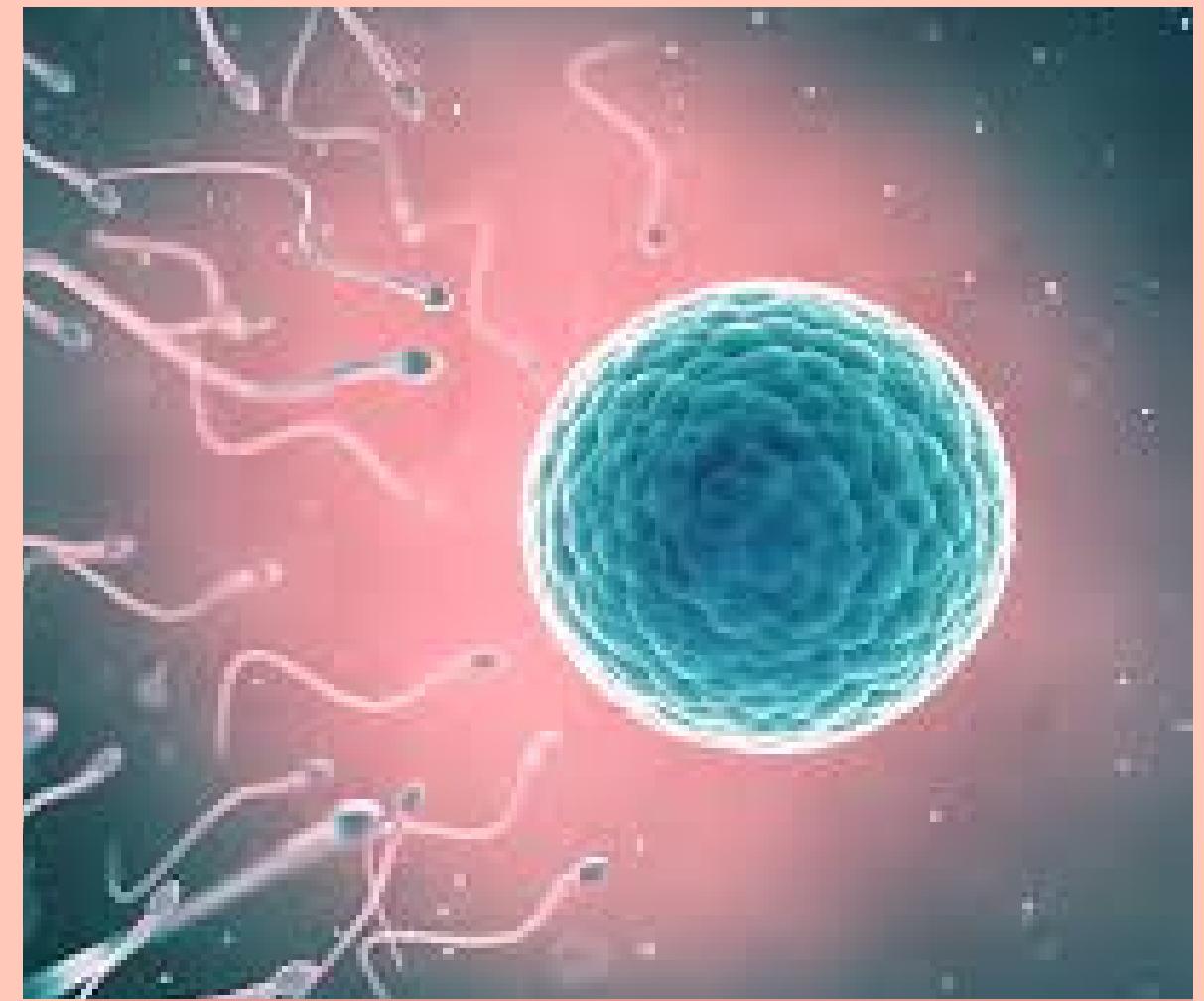


Animals have sex organs that produce **sex cells** or **gametes**. These gametes contain information about new organism. There are two types of sex cells or gametes. The egg cell for females and sperm cell for males.

Fertilization takes place when a sperm cell unites with the egg cell. The fertilization egg is called a zygote which develops into an **embryo**. The embryo undergoes continuous development until it eventually grows into a newborn animal. Fertilization in animals may be internal or external.

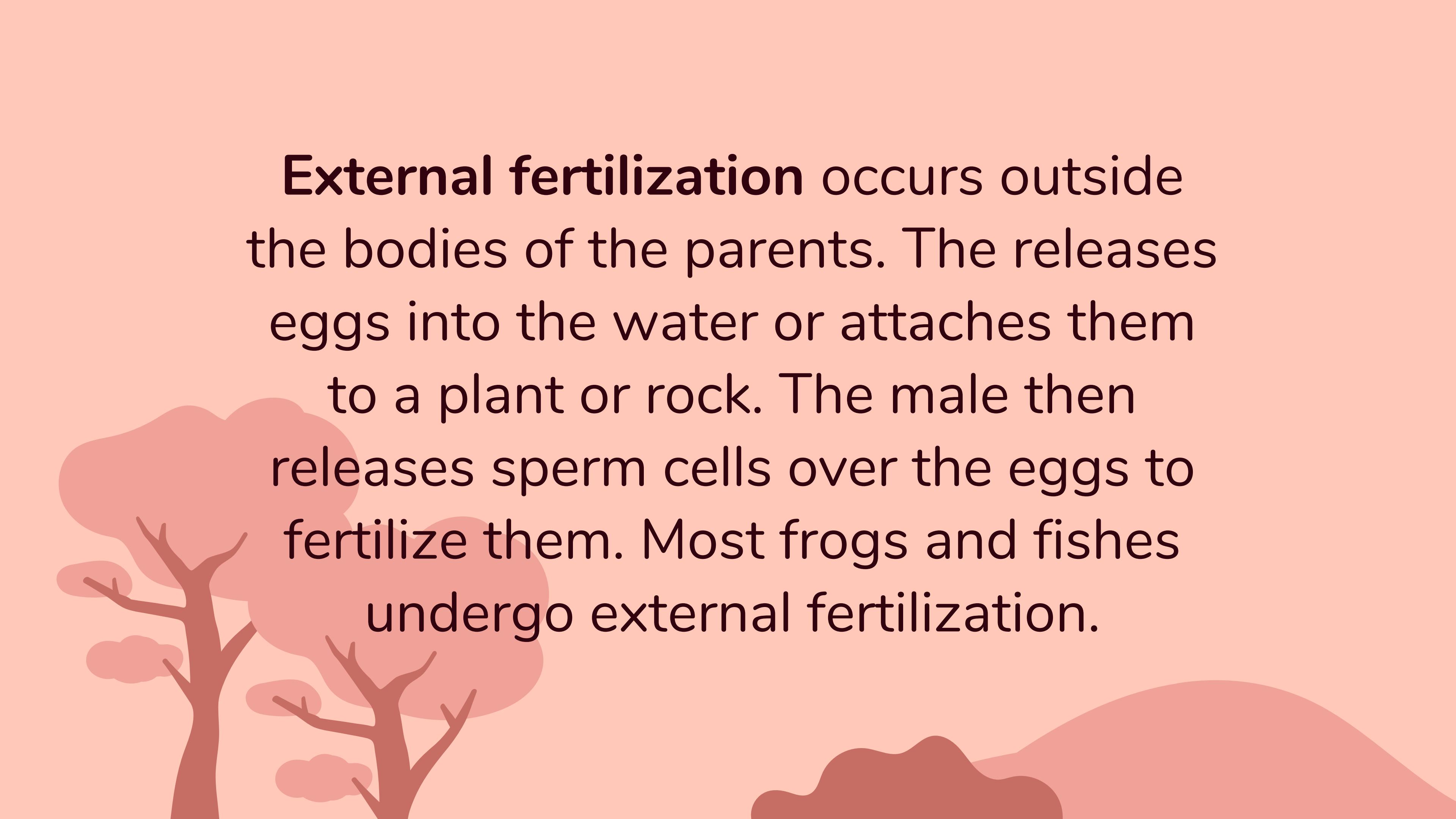


Internal fertilization happen when the male animal releases sperm cells into the body of the female animals to fertilize the egg cell. The embryo can either develop inside the female body until it is born alive or develop inside an egg laid by the female. Insects, birds, cats, and cows undergo internal fertilization.



Fertilization is the union of the egg cell and sperm cell producing a zygote that develops into an embryo

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External fertilization occurs outside the bodies of the parents. The releases eggs into the water or attaches them to a plant or rock. The male then releases sperm cells over the eggs to fertilize them. Most frogs and fishes undergo external fertilization.