

BIOLOGY ASSIGNMENT

1a.

Pollination

- An external process
- Transfer of pollen from male parts to female parts
- Happens only in plants

Fertilisation

- An internal process
- Fusion of the male and female gametes
- Happens in all sexually reproducing organisms

• **Zygote**:- the fertilised germ formed by the fusion of the sperm and egg cell

Fetus:- the unborn offspring that develops from an embryo

Embryo:- the unborn offspring in its initial stages of development

2. In sexual reproduction, an organism combines half of its genes with another.

The parent organisms make slight errors while copying their DNA leading to variations.

Over multiple generations, these variations from both parents stack up leading to a change in the traits of an organism known as evolution.

3. Contraceptive methods are used to:

• Prevent the spread of STDs

• Prevent pregnancy:

- The female might not be ready to bear a child both physically and mentally.

- Pregnancy may not be wanted due to various reasons.