

# Chapter 7 – Quick Revision Sheet

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## Reproduction

### Reproduction

**Definition:**

Reproduction is the biological process by which living organisms produce new individuals similar to themselves.

**Example:**

Humans, Plants

### Modes of Reproduction

- 1. Asexual Reproduction:** Asexual reproduction is the process in which a single parent produces offspring without fusion of gametes.
  - Binary Fission (Amoeba)
  - Fragmentation (Spirogyra)
  - Budding (Yeast, Hydra)
  - Multiple Fission (Plasmodium)
  - Regeneration (Hydra, Planaria)
  - Vegetative Propagation
- 2. Sexual Reproduction:** Sexual reproduction is the process in which two parents produce offspring through fusion of male and female gametes.
  - Sexual reproduction in Plants (Flowering plants)
  - Sexual reproduction in Humans (Animals)

## Pollination

### Definition:

Pollination is the transfer of pollen grains from anther to stigma.

### Types:

- Self pollination – same plant
- Cross pollination – different plants

### Example:

Pea plant

### MALE REPRODUCTIVE ORGANS

TESTES  
SCROTUM  
VAS DEFERENS  
SEMINAL VESICLES  
PROSTATE GLAND  
URETHRA  
PENIS

### FEMALE REPRODUCTIVE ORGANS

OVARIES  
FALLOPIAN TUBES  
UTERUS  
VAGINA

## Reproductive Health

Reproductive health means maintaining a healthy reproductive system and safe sexual practices.

### Sexually Transmitted Diseases (STDs)

These are diseases that spread through sexual contact.

#### Examples:

- Gonorrhoea
- Syphilis
- HIV/AIDS

#### Prevention:

- Safe sex practices
- Use of condoms
- Medical awareness

