

Study Guide for Chapter (11)
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In this Chapter, you should be able to know the following:

- Reproduction
- Asexual reproduction
 - Fission
 - Budding
 - Fragmentation/ Regeneration
- Hermaphroditism
- Mechanics of fertilization
 - External fertilization
 - Internal fertilization
- Similarities between male and female reproduction systems
- Male Reproductive Anatomy with function of each part
- Female reproductive anatomy with function of each part
- Gametogenesis (definition), location
 - What is haploid and diploid cells in human?
- Spermatogenesis (definition, location)
 - Primary spermatocytes
 - Secondary spermatocytes
- Oogenesis
- Primary oocyte
 - Secondary oocyte
- Similarities between oogenesis and spermatogenesis
- Differences between the two processes
- The Female Reproductive Cycle
 - Ovarian cycle
 - Menstrual cycle
- Menstruation
- Structure/Function: Fertilization by Sperm:
 - sperm shape and the function of each part

Fertilization

Basic Concepts of Embryonic Development

Cleavage

A gastrulation, ectoderm, endoderm, mesoderm

PLANTS:

- The Life Cycle of a Flowering Plant: types of reproduction in plants
- The main parts of a flower in angiosperms
- Overview of the Flowering Plant Life Cycle
- What is gametophytes?
- Pollination and Fertilization