

October 10th-12th

- 2N reproductive organs (ovaries, testes, stamens, ovaries)
 - formation of the zygote (one 2N cell) from two N cells
 - in plants
 - animals
 - single fertilization (plants and animals)
 - double fertilization (plants only)
 - fate of the zygote
 - in plants (seed development, differentiation, germination)
 - animals (mitotic divisions, development stages)
- life cycles
 - alternation of generations
 - in fern plants
 - in moss plants
 - coelenterate animal (invertebrate)
 - vertebrate
 - protozoan
- life spans of organisms (hours, days, weeks, months, years)
- plant zygote development stages: rapid mitotic divisions, differentiation, embryo, organogenesis, germination, juvenile, adult, senescence
- animal zygote development stages: morula, blastula, gastrula, neuralation, embryo, *metamorphosis, fetus, parturition, juvenile, adult, senility
- specifics of human reproduction
- aberrations in development

Chapter 27 - plants

Chapter 38 - animals

IMPORTANT TOPICS:

- * CLONING
- * EMBRYO RESEARCH
- * STEM CELLS
- * FERTILITY/FECUNDITY and INFERTILITY
- * FERTILITY DRUGS
- * IN VITRO FERTILIZATION
- * IN VIVO FERTILIZATION
- * BREEDING
- * SURROGATES
- * REPRODUCTIVE HORMONES
- * SIMILAR, FRATERNAL TWINS
- * MULTIPLE BIRTHS
- * ABORTION CRYOGENICS
- * AMNIOCENTESIS
- * CHRONIC VILLI BIOPSY

EXAMINATION II - UNITS IV AND V