

# Chap 13: Meiosis and Sexual Reproduction

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Know the difference between genetics and heredity.

Know the difference between sexual and asexual reproduction. Benefits and detriments of each.

Know the differences between gametes and somatic cells

What is a karyotype? How can it be used to help us determine genetic conditions?

Know the difference between autosomes and sex chromosomes.

Know the difference between haploid and diploid

What is alternation of generations?

Know the stages of meiosis (meiosis 1 and meiosis 2) and what each of them does genetically.

What is synapsis?

What are chiasmata and how is it associated with crossing over?

Be able to compare Mitosis to Meiosis.

What are recombinant chromosomes?