* Principle of segregation: each diploid organism has 2 alleles that separate at meiosis for each locus, one allele goes to each gamete
* Principle of independent assortment: process of separation for each locus is independent of alleles at other loci
* Walter Sutton - 1903, chromosome theory of heredity
* Linked genes - genes located close together on same chromosome
* Linkage group - linked genes
  + Travel together in meiosis
  + Not expected to sort independently
* First observed case of linked genes: sweet pea study by Bateson, Saunders, Punnett in 1905, crossing red and purple flowers with long and round pollen, did not see 9:3:3:1 ratio