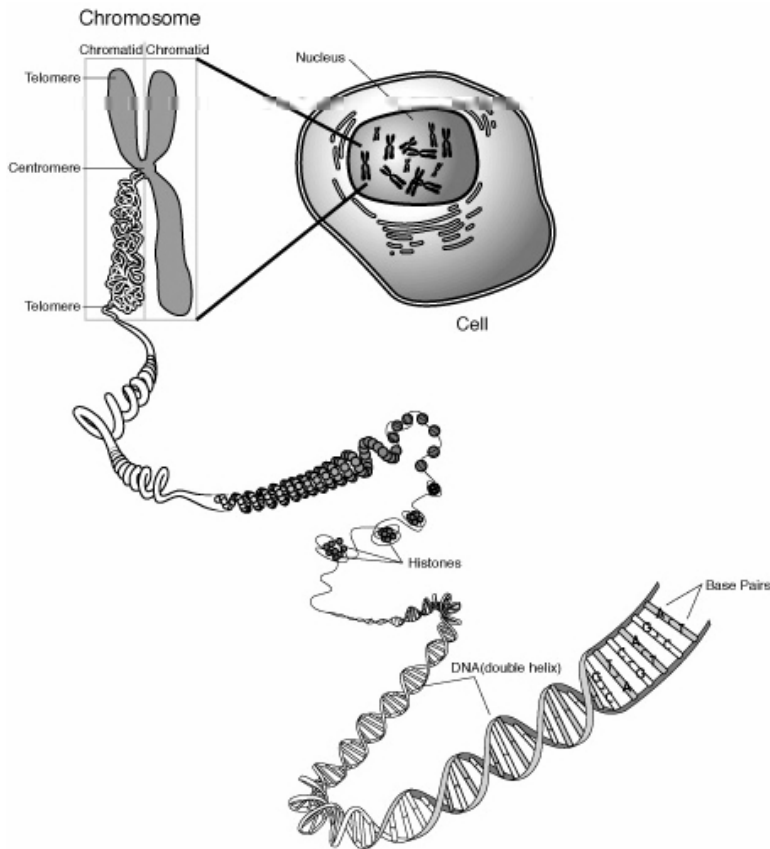


Genetics Test Review



- *Know who Mendel was and what his contribution to genetics is. Be very familiar with his experiments.*
- *Be able to define and explain the vocabulary terms from Chapter 16 and 17*
- *Know the difference between genes, alleles, and traits.*
- *Be able to explain how genes are passed down .*
- *Be able to do a monohybrid (one trait) cross using a Punnett square.*
- *Be able to give the probability*

of specific genotypes in offspring given the parents genotypes. Be able to give probabilities in percentage or ratio form of phenotypes and/or genotypes.

- *Know the effects mutations can have on an organism.*
- *Be able to explain how DNA is related to protein synthesis and the molecules involved.*
- *Know the genotypes for blood types and be able to predict blood types using a Punnett square.*
- *Be able to read and interpret a pedigree. You should be able to give possible genotypes for members depicted on a pedigree.*
- *Know how sex-linked and other genetic disorders are inherited. Be able to give examples from the book.*

Old Stuff

- *Reproductive System (general questions)*
- *Metric Conversion*