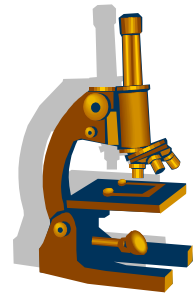


Student Study Guide - Biology



Genetics:

For your test you should be able to demonstrate your understanding of the following items:

- State and explain each of Mendel's Principles.
- Definition of the following terms: Allele, genotype, phenotype, homozygote, heterozygote, dominant, recessive, multiple alleles, incomplete dominance, codominance, polygenic inheritance, pleiotropy.
- Be able to explain the occurrence of an autosomal dominant disorder and give an example.
- Be able to explain the occurrence of an autosomal recessive disorder and give an example.
- Be able to complete an example of a monohybrid cross and carry it through to F2 generation. (set up 4 box punnett square and determine the genotypic and phenotypic ratio).
- Be able to complete an example of a dihybrid cross and carry it through to F1 generation (set up 16 box punnett square and determine genotypic and phenotypic ratio)
- Be able to create a pedigree given information of a family history.
- Be able to determine the family history given a pedigree.
- Be able to analyze a pedigree for an autosomal dominant and recessive, and X-linked recessive trait.

Review all handout materials, class notes and your ticket ins.

And

STUDY!

STUDY!

STUDY!

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