**Genetics Test Study Guide**

1. What is the difference between autosomal and sex chromosomes.
2. How do gametes join to form a zygote?
3. Who is Mendel and what is his contribution to science?
4. Explain what Genes are? Alleles? Homozygous? Heterozygous? Genotype? Phenotype?
5. Make a dominant/recessive, a codominant, an incomplete dominate, a sex linked, and multiple allelic (blood type) Punnet squares. Explain what the genotypes and phenotypes would be for the offspring
6. Explain how to get each blood type ( Blood type A, Type B, Type AB, Type O) and make a punnet square for each to show how each is inherited.
7. Differentiate between genotypic and phenotypic ratios.
8. Which type of inheritance can result in carriers?
9. Know how to read a pedigree. Dom/rec; sex-linked/autosomal.
10. Be able to tell relationship, type of inheritance, and genotypes from a pedigree.