**Mendelian Genetics Review**

1. Who is the father of modern genetics?

2. What is the relationship between DNA, chromosomes, genes, alleles, and proteins?

3. What is a dominant allele, and how is it written?

4. What is a recessive allele, and how is it written?

5. What is a genotype?

6. What is a phenotype?

7. What does homozygous mean? Write the genotype for a plant that is homozygous recessive for white flowers.

8. What does heterozygous mean? Write the genotype for a plant that is heterozygous for purple flowers.

9. What does it mean when we say that a gene is expressed?

10. What is the only possible way for a recessive trait to be expressed?

11. What are the two ways that are possible for a dominant trait to be expressed?

12. What is a Punnett Square used for?

13. What does P1 mean?

14. What does F1 mean?

15. What does F2 mean?