POST LAB FOR TLC OF EYE PIGMENTS OF

*Drosophila Melanogaster*

*Quiz*

1. What controls eye color?

2. Explain two ways in which changes in eye color can occur.

3. Define phenotype and genotype.

4. What was the purpose in using the ultraviolet illuminator?

5. Why **must** you wear UV goggles while working with the UV illuminator?

6. A gene controls the production of a protein catalyst. What is a protein catalyst?

7. Define Homozygous and Heterozygous.

8. Define Allele.

9. Explain Chromatography.

10. Which pigments are found in the wild types flies?

11. Name two real life enzyme mutations.

12. Name two real life uses for UV light?