**Genetics Test Remediation**

1. Green wings are dominant to yellow wings in butterflies. Draw a Punnett square for a heterozygous green butterfly and a yellow butterfly.

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1. Write the genotypic ratio for the Punnett square in #1: \_\_\_\_\_ GG: \_\_\_\_\_Gg:\_\_\_\_\_gg
2. Write the phenotypic ratio for the Punnett square in #1: \_\_\_\_\_green:\_\_\_\_\_yellow
3. Hemophilia is an X linked recessive disorder. Write the genotype of a healthy male \_\_\_\_\_\_.

Write the genotype of a female who carries the trait \_\_\_\_\_\_\_\_. What are the chances their offspring will have hemophilia?

1. For each of the following traits: dominant or recessive / autosomal or X linked / one characteristic or symptom. (use your homework OR genetic disorder project)
	1. PKU
	2. Sickle Cell Anemia
	3. Huntingtons
	4. Colorblindness
	5. Hemophilia
2.  Define Pedigree. Circle a male who carries the trait. Circle a female who is unaffected.
3. Define Karyotype. Define nondisjuntion. Name two chromosome abnormalities that can be formed from nondisjunction and viewed on a karyotype.