

Name: _____ Date: _____ Period: _____

Chapter 14 Review

1. Explain the process by which Mendel conducted his experiments.
2. How does Mendel's work demonstrate support for the concepts of dominant and recessive alleles?
3. Compare and contrast the terms:
 - genotype and phenotype
 - heterozygous and homozygous
4. What is the purpose of a test cross? How is it conducted?
5. Explain the events in meiosis that explain the law of segregation and the law of independent assortment.
6. Explain each of the following phenomena and how they extend our understanding of genetics from the work done by Gregor Mendel and classical Mendelian inheritance patterns. Provide a real-world example of each:
 - Incomplete Dominance
 - Co-Dominance
 - Polygenic Inheritance
 - Sex Linkage
 - Gene linkage