



Pedigrees Worksheet 1: Introduction

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Name

Date

Match the Following

- ___1. A characteristic associated with a gene.
- ___2. The set of genetic information that make up the chromosomes of an individual organism.
- ___3. An individual organism's set of genes, or genetic makeup.
- ___4. An observable trait associated with a specific gene or set of genes.
- ___5. A trait associated with genes found on the X and Y chromosomes.
- ___6. Having two different alleles for a given gene.
- ___7. An allele that masks the effects of another allele.
- ___8. An allele that needs two copies to influence phenotype.
- ___9. A chart used to illustrate inheritance patterns.
- ___10. Having two copies of the same allele for a given gene.
- ___11. A variation of a gene.
- ___12. A trait associated with genes found on chromosomes other than X and Y.
- ___13. an inheritance pattern in which a dominant allele is able to completely mask the effects of a recessive allele in heterozygous situations.

- A. Genotype
- B. Dominant allele
- C. Phenotype
- D. Pedigree
- E. Autosomal trait
- F. Recessive allele
- G. Trait
- H. Sex-linked trait
- I. Homozygous
- J. Heterozygous
- K. Genome
- L. Allele
- M. Complete dominance

Pedigrees

14. Using the pedigree to the right, answer the following questions.

- a. What do the circles symbolize? _____
- b. What do the squares symbolize? _____
- c. What do the Roman numerals refer to? _____
- d. What do the numbers below each symbol refer to? _____
- e. Do individuals that fall under "II" represent a younger generation than individuals that fall under "I"? _____
- f. How many male individuals are there in the 2nd generation? _____
- g. What do the filled-in patterns symbolize? _____
- h. What does the half filled-in circle symbolize? _____

