Skills Worksheet

Inheritance Patterns and Human Genetics

In the space provided, write the letter of the description that best matches the term or phrase.

- _____ 1. causes death, often before birth
- chromosome breaks and piece reattaches backward
- _____ 3. chromosome not involved in sex determination
 - 4. chromosome that determines sex
 - 5. autosomal dominant trait
 - sample is taken from tissue between the uterus and the placenta
 - 7. sample is taken from fluid-filled sac
- 8. one nucleotide replaces another
- 9. disease caused by a mutation
 - _ 10, loss of a piece of chromosome
 - ____ 11. offers information about genetic makeup
- _____12. influenced by both genetics and the environment
- _____ 13. diagram that shows the location of genes
- 14, occurs in a gamete
- _____ 15. frequency of crossing-over
- ____ 16. occurs in body cells
- _____ 17. places healthy copy of gene into a person whose gene is defective
- 18. nucleotides are added to DNA
- 19. genes that are inherited together
- _____ 20. all amino acids downstream are changed

- a. linked genes
- b. map unit
- c. frameshift mutation
- d. deletion
- e. lethal mutation
- f. sex chromosome
- g. genetic disorder
- h. Huntington's disease
- i. germ-cell mutation
- j. autosome
- k. amniocentesis
- 1. genetic counseling
- m. inversion
- n. insertion mutation
- o. gene therapy
- p. chromosome map
- q. substitution
- r. chorionic villi sampling
- s. complex characters
- t. somatic-cell mutation

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