

Name - \_\_\_\_\_

Start time - \_\_ : \_\_

End time - \_\_ : \_\_

Provide an example of a genetic disorder and briefly explain its cause.

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Circle whether the following statements are true or false:

1. Dominant alleles always determine the phenotype of an individual in a heterozygous genotype. (True/False)
2. A Punnett square can be used to predict the probability of different genotypes in offspring. (True/False)
3. DNA stands for "deoxyribonucleic acid" and is found in the nucleus of cells. (True/False)
4. Genes are segments of DNA that code for specific proteins. (True/False)

Discuss the ethical considerations surrounding genetic testing and genetic engineering technologies.

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Explain the difference between dominant and recessive traits. Provide examples of each.

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