

## Chapter 17

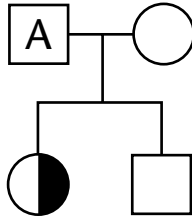
Use with Section 3

## REINFORCEMENT

## ● Human Genetics

## Part A

Each of the pedigrees below shows the inheritance pattern of a sex-linked disorder, such as color blindness. Answer the question below each pedigree.

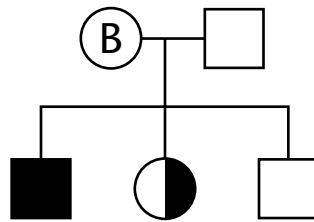


1. Is the father, A, affected or not affected by the disorder? Explain your answer. \_\_\_\_\_

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2. Is the mother, B, affected by the disorder, not affected, or a carrier? Explain your answer.

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## Part B

1. Name two genetic disorders that are caused by a recessive allele on the X chromosome.

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2. Name two genetic disorders that are homozygous recessive. \_\_\_\_\_

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3. How are scientists in the field of genetic engineering trying to help people with genetic disorders? \_\_\_\_\_

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