

Guided Reading Activity

6-4

networks

Body and Behavior

Lesson 4 Heredity and Environment

Review Questions: Using Headings and Subheadings

Directions: Locate each heading below in your textbook. Then use the information under the correct heading and subheading to help you write each answer.

I. Nature vs. Nurture

A. Explain what the "nature vs. nurture" debate is.

B. How is the effect of genes on behavior limited?

C. What is the difference between a person's genotype and phenotype?

D. What is the cause of Down syndrome?

E. What is the difference between a dominant trait and a recessive trait?

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Guided Reading Activity *cont.*



Body and Behavior

F. Why can inbreeding cause undesirable traits in offspring?

II. Twin Studies

A. What is the difference between identical twins and fraternal twins?

B. Why is studying adopted siblings useful in determining the influence of nature vs. nurture?

C. What was discovered by the University of Minnesota study of identical twins who were raised in different environments?

Summary and Reflection

Directions: Summarize the main ideas of this lesson by answering the question below.

What evidence have scientists discovered linking heredity to behavior, as described in this lesson?
