1.1 / Interaction of Heredity and Environment



Name _____ Date _____

1 Make the connection.

Explain each concept in your own words. Add a brief example that shows why it fits.

Heredity

Environment

Gene-environment interaction

Twin study

2 Build the explanation.

Rebuild the twin report. Put each piece in its proper part of a cautious report.

Choose from the pieces below. Some do not belong. Write a letter in each position and explain the connection.

A. The score reveals each person's genetic percentage.

B. Identical twins were more similar in this sample.

C. Environmental similarity and sample selection still matter.

D. Inherited influences may contribute.

Observation - Piece: _____

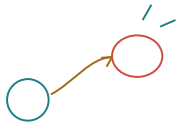
Possible explanation - Piece: _____

Limit - Piece: _____

Show the connection.

Sketch a diagram or example that connects two ideas. Label the parts.

Use the idea. Explain the connection.



3 Choose, then explain.

1. A fictional study finds that a stressful environment predicts different outcomes for two predisposition groups. What graph would help test interaction?

A. Only a list of participants' names.

B. Separate outcome lines for each group across environmental conditions.

C. One unlabeled average with no groups.

My choice: _____ Why it fits:

2. Which final report sentence best reflects this topic?

A. Heredity and experience can interact, and the design limits what we can infer.

B. A twin comparison proves every individual's future.

C. Finding an environmental effect disproves all inherited influences.

My choice: _____ Why it fits:

4 Bring it together.

Explain one result that could be consistent with both heredity and experience.

One idea I corrected: _____

One question I still have: _____