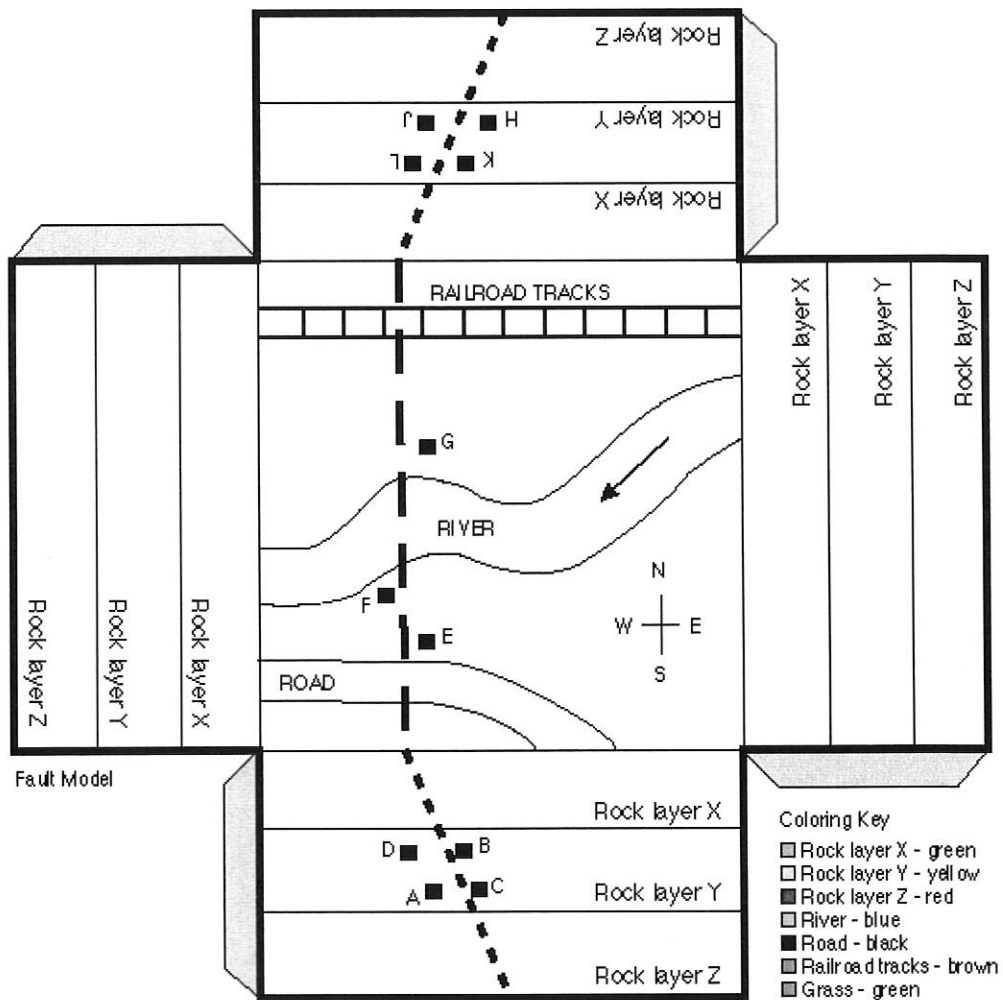


Name: _____
 Date: _____ Section: _____

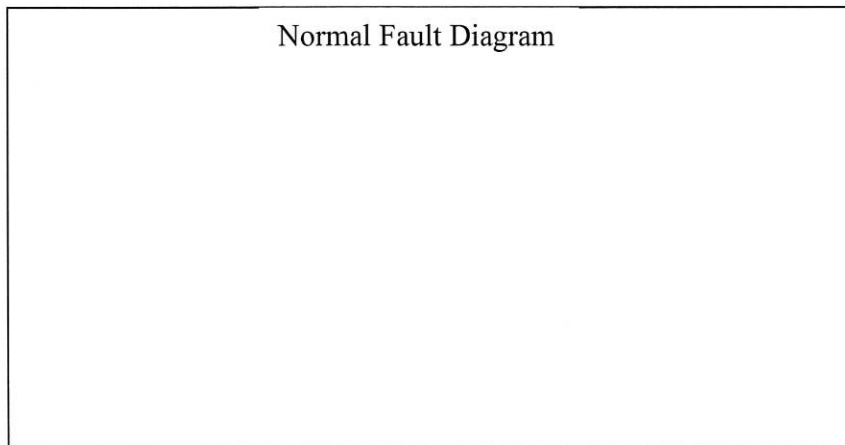


Name: _____
Date: _____ **Section:** _____

Analysis: Modeling the Faults

A. Normal fault

1. Locate points A and B on your model.
2. Move point B so that it is next to Point A.
3. Observe your model from the side (its cross-section).
4. Draw the normal fault as represented by the model you have just constructed.



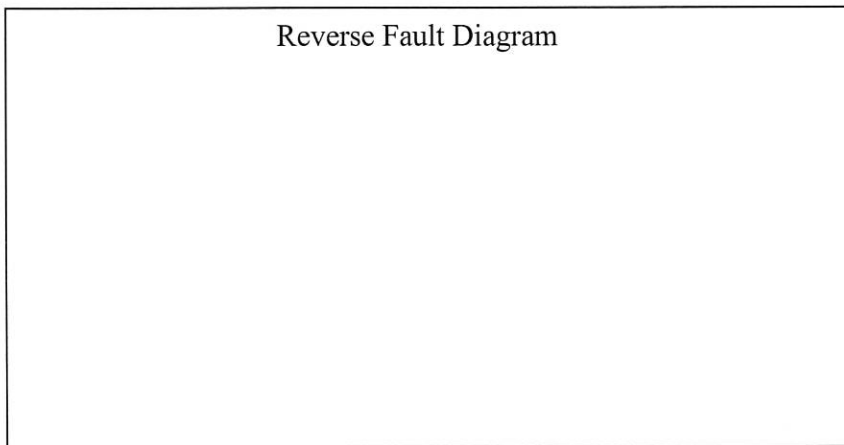
Questions:

1. Which way did point B move relative to point A?
2. What happened to rock layers X, Y and Z?
3. Are the rock layers still continuous?
4. What likely happened to the river? The road? The railroad tracks?
Explain your answer.

Name: _____
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B. Reverse fault:

1. Locate points C and D on your model.
2. Move point C next to point D.
3. Observe the cross-section of your model.
4. Draw the reverse fault as represented by the model you have just constructed.



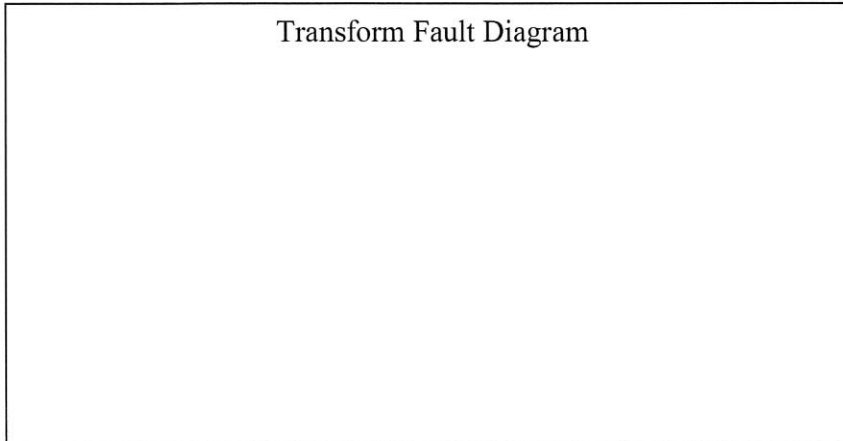
Questions:

1. Which way did point D move relative to point C?
2. What happened to rock layers X, Y and Z?
3. Are the rock layers still continuous?
4. What likely happened to the river? The road? The railroad tracks?
Explain your answer.

Name: _____
Date: _____ **Section:** _____

C. Transform fault:

1. Locate points F and G on your model.
2. Move the pieces of the model so that point F is next to point G.
3. Draw an overhead view of the surface as it looks after movement along the fault.



Questions:

1. If you were standing at point F and looking across the fault, which way did the block on the opposite side move?
2. What happened to rock layers X, Y and Z?
3. Are the rock layers still continuous?
4. What likely happened to the river? The road? The railroad tracks? Explain your answer.