

Sequence #1

A. What type of deformation has occurred?

B. What is the name of the first rock that was deposited?

C. What is the name of the youngest rock that was deposited?

Sequence #2

A. What type of deformation has occurred?

B. What is the name of the first rock that was deposited?

C. What is the name of the youngest rock that was deposited?

Sequence #3

A. What process caused part of the layers to be removed?

B. List the layers from oldest to youngest

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| C. What is the name of the youngest rock that was deposited? | |
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Sequence #4

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| A. Did the igneous intrusion (the rock with the v's) come before or after the layers above it? Explain | |
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Sequence #5

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| A. What are the processes involved in the formation of the unconformity? | |
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Sequence #6

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| A. List the rock layers from oldest to youngest | |
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| B. Did the deformation occur before or after the unconformity? Explain | |
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Sequence #7

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| A. List the sequence of events from oldest to youngest | |
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| B. How did the Erie coal layer form? | |
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Sequence #8

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| A. What do the thick, horizontal black lines represent? | |
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| B. What do they think, vertical black lines (the "whiskers") represent? | |
| C. Is the Palisades Sill younger or older than the Brunswick Sandstone? How can you tell? | |
| Sequence #9 | |
| A. List the layers from oldest to youngest | ----- |
| Sequence #10 | |
| A. What is the name of the rock at letter A? | |
| B. Did the fault occur before or after the intrusion? Explain | |
| Sequence #11 | |
| A. Did C form before or after B? Explain | |
| Sequence #12 | |
| A. What is the predominant type of metamorphic rock that was created by this intrusion? | |
| Sequence #13 | |
| A. State the name of the three rock layers found in box B from oldest to youngest | |

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| <p>B. State the name of the three rock layers found in box C from oldest to youngest</p> | |
| Sequence #14 | |
| <p>A. State the entire sequence of events that formed this cross section</p> | |
| Sequence #15 | |
| <p>A. Between what layers did the uplift and erosion occur?</p> | |
| <p>B. Explain how the formation of layer A and layer D might be different despite being composed of the same rock</p> | |
| Sequence #16 | |
| <p>A. Is the fault older or younger than the intrusion? Explain</p> | |
| <p>B. What type of rock likely exists below the layer of shale on the right side of the fault?</p> | |