PHYSICAL GEOLOGY
Geologic Time

Name _____ /38

The diagram at http://stevekluge.com/geoscience/images/xsect1.jpg represents a section through the earth's crust. Various rock types, layers, and structures are labeled with letters. There is a group of small, demented trolls living in the trees on the top left of the diagram. Look closely…Hah! Fooled you! They're only trees! There's no such thing as trolls! Determine the order in which the rock types, layers, and structures were formed and write the letters representing them in order below. (26)

Indicate the presence of all unconformities with an arrow or line *just below the letter of the layer overlying the unconformity*. Then label that arrow or line with the type of unconformity that is found there. (6)

Finally, answer the following questions in the #ed spaces at the right below:

What principle of relative dating did you apply to determine the relationship between:

1. J and K? (2)
2. E, X, and D? (2)
3. Between F and P? (2)

YOUNGEST

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OLDEST

1._____

2._____

3._____