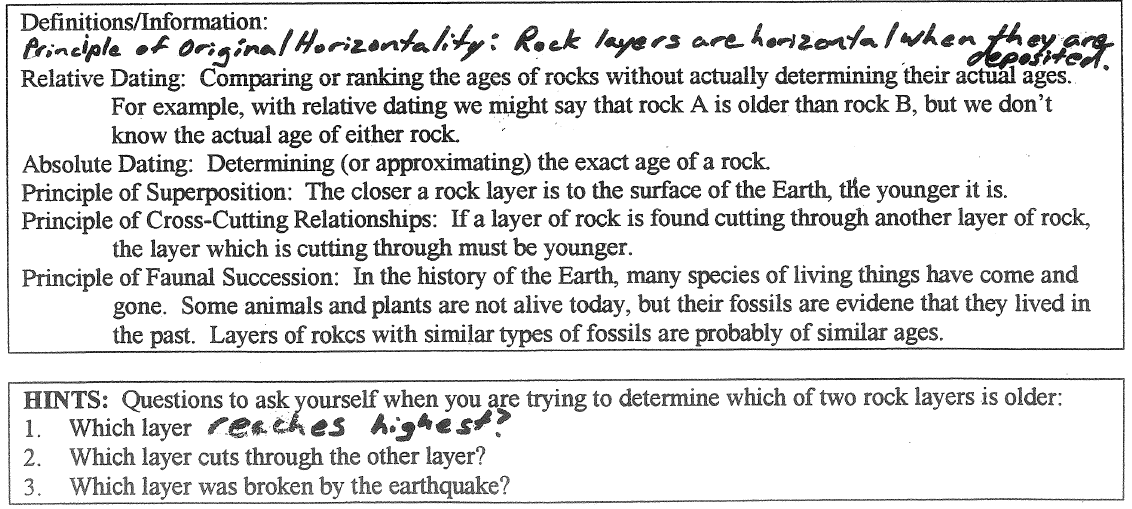
ESS 100 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ages of Rocks, Part 1

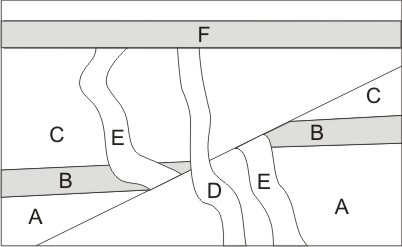
Unit Goals:

1. Know and apply the four principles of relative dating (box below) to put rocks, fossils, and events in order according to their age.
2. Know and apply the principles of absolute dating to estimate the ages of rocks based on their radioactive isotope content.
3. Define atom, element, electron, proton, neutron, isotope, and radioactive isotope, and understand how these terms relate to absolute dating.



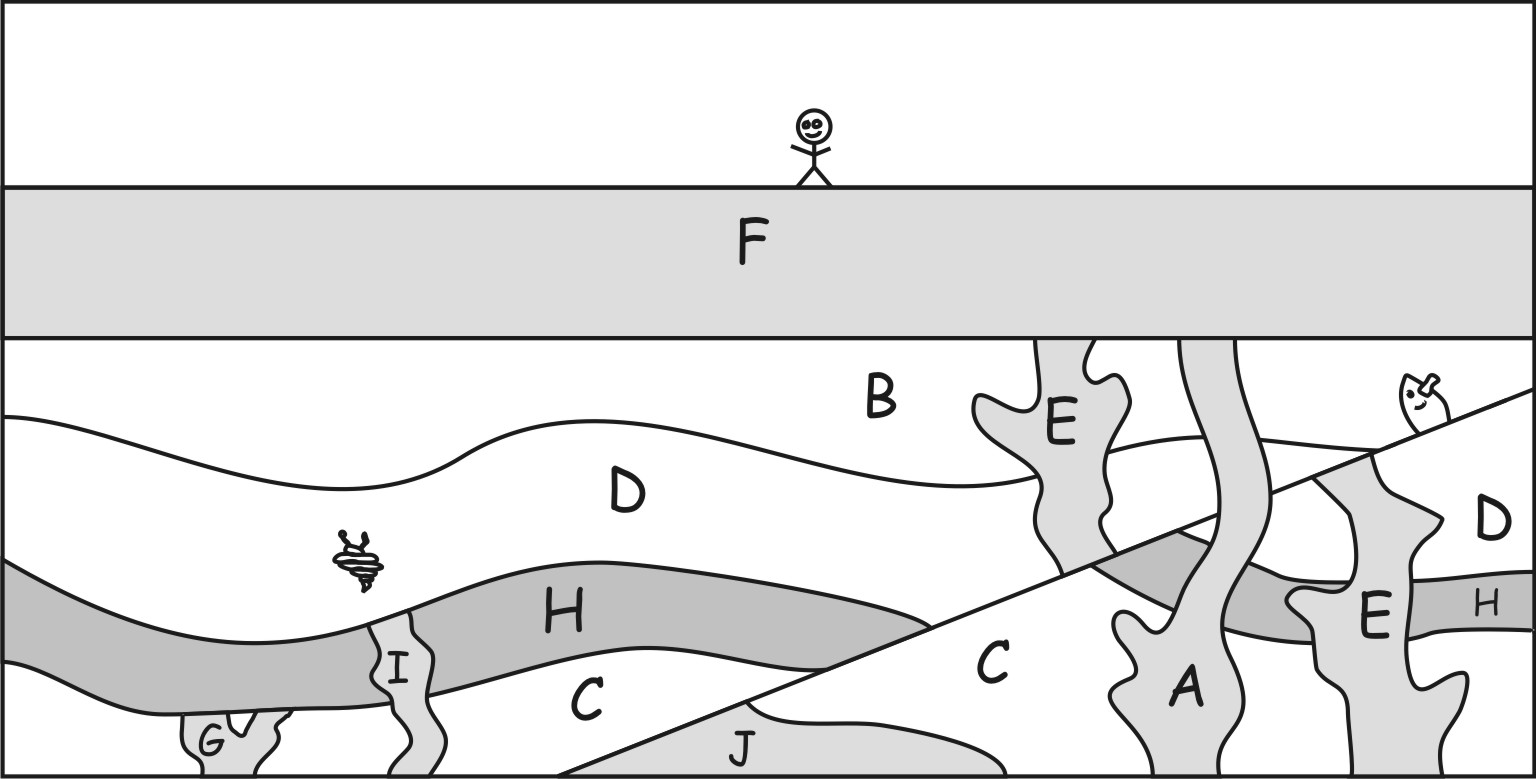
Practice #1. Rank the rocks in the diagram from oldest to youngest.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Oldest Youngest | | | | | |
|  |  |  |  |  |  |

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Practice #2. Rank the rocks in the diagram from oldest to youngest.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Oldest Newest | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |



|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Oldest Newest | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |

Practice #3. Rank the rocks in the diagram from oldest to youngest.

