

Target	1	2 (all of 1 plus)	3 (all of 2 plus)	4 (all of 3 plus)
LE 5.7 Preparedness	Does not complete formative or summative in an effortful and timely manner, is not engaged, does not arrive on time with class materials ready to learn, does not communicate when issues arise	Completes formative or summative in an effortful or timely manner, is sometimes engaged, sometimes arrives on time with class materials ready to learn, sometimes communicates when issues arise	Completes formative or summative in an effortful and timely manner, remains engaged, arrives on time with materials ready to learn, communicates when issues arise	Completes formative or summative in an effortful and timely manner, remains engaged, arrives on time with materials ready to learn, communicates when issues arise, and is reflective on strengths and challenges within your preparedness skill
LE 5.6 Precision	Recognizes the importance of products that are planned, edited, and completed with care	Attempts products that are planned, edited, and completed with care	Creates products that are planned, edited, and completed with minimal errors	Creates products that are planned, edited, and completed free from errors or need for revision
Geo 4	I can define the processes which create, alter and/or destroy the rock record	I can identify within a diagram the processes which create, alter and/or destroy the rock record	I can interpret a diagram to determine the sequence of events (relative age) in Earth's history as it relates to past and current movements of continental and oceanic crust	I can interpret a diagram to determine the relative sequence of events in Earth's history as it relates to past and current movements of continental and oceanic crust internally (cross section) and externally (land features)
Geo 5	I can identify and describe the major types of plate boundaries	I can interpret and explain a diagram of how plate boundaries change Earth's crust	I can create a diagram to explain how plate boundaries and faults change Earth's crust	I can analyze a diagram of plate boundaries and faults to predict future changes to Earth's crust
MP1 Geosphere	I can define the processes that create, alter and/or destroy rock formations	(all of 1 plus) I can explain the processes that create, alter and/or destroy rock formations	(all of 2 plus) I can interpret evidence of the past and current movement of crust to explain ages and structures of rock formations	(all of 3 plus) nailed it!

Intrusions, Inclusions and Cross-Cutting
plus
Relative Dating based on all Principles of Geology

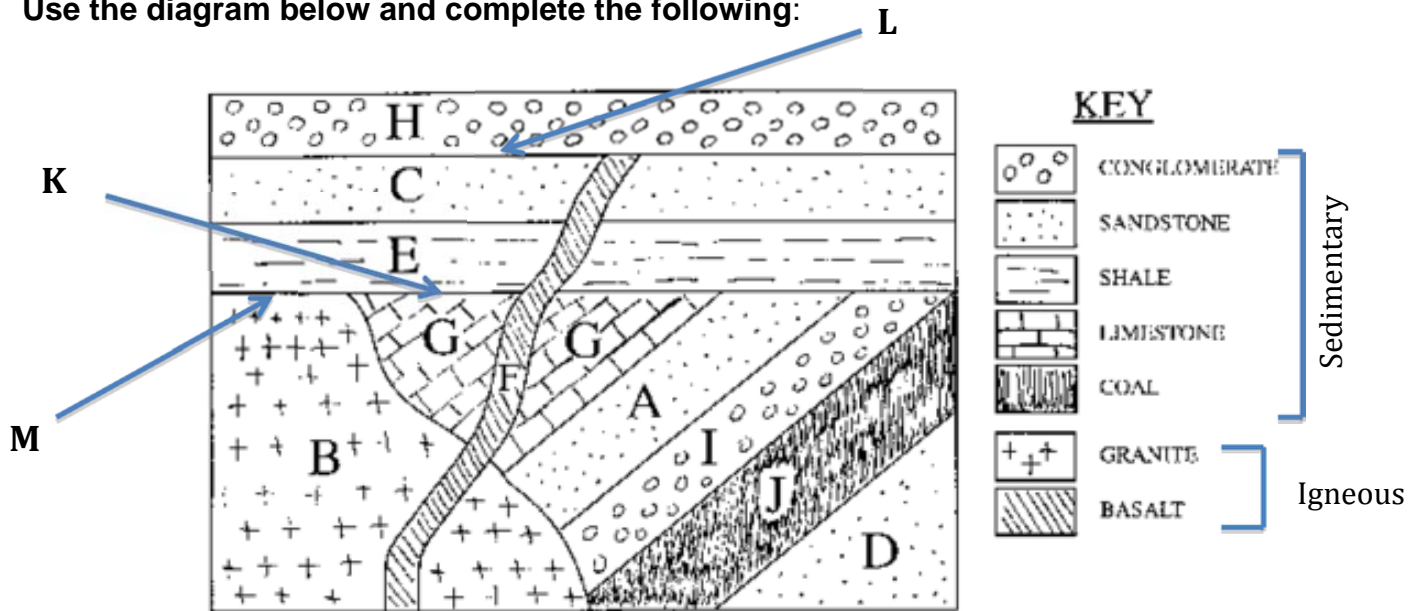
1. Rock F is found completely within a sedimentary layer Q.
 - a. Is rock F younger or older than sedimentary layer Q?

 - b. Which principle allows us to make this conclusion? Explain.

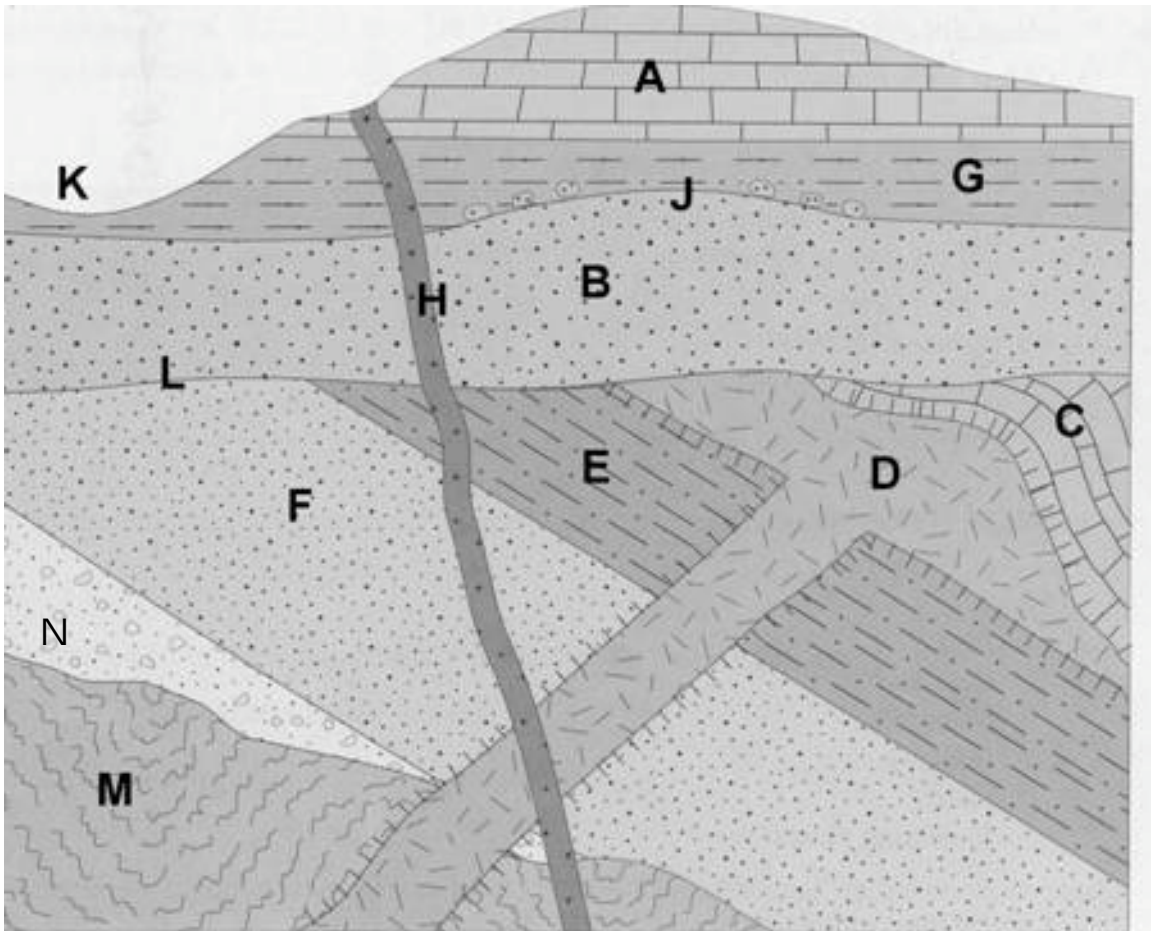
2. A reverse fault cuts through several layers of sedimentary rock.
 - a. Is the fault younger or older than the layers of sedimentary rock?

 - b. Which principle allows us to make this conclusion? Explain.

Use the diagram below and complete the following:



- Which letter indicates a dike? _____ What type of rock must this be? _____
- Which letter indicates a batholith? _____ What type of rock must this be? _____
- Which letter indicates an angular unconformity? _____
What type of rock must be on the top of the angular unconformity? _____
- Which letter indicates a nonconformity? _____
What type of rock must be on the top of the nonconformity? _____
What type of rock(s) can be below the nonconformity? _____
- Using the Principles of Geology ...
(*superposition, original horizontality, intrusions, inclusions, cross-cutting, faulting*)
... indicate the order of events (by letter) that have taken place
If **erosion** has occurred indicate which type/types of unconformities exists.
If **tilting** has occurred, write the word *tilting*
If **faulting** has occurred, write the word *fault* and indicate which type.



Rock F, C, B, G, A & N are Sedimentary

Rock M (Batholith), D & H must be _____ (type of rock)

8. Pieces of layer B are within layer G. Which principle is this an example of?

9. Using the Principles of Geology ...
 (superposition, original horizontality, intrusions, inclusions, cross-cutting, faulting)

... indicate the order of events (by letter) that have taken place
 If **erosion** has occurred indicate which type/types of unconformities exists.
 If **tilting** has occurred, write the word tilting
 If **faulting** has occurred, write the word fault and indicate which type.