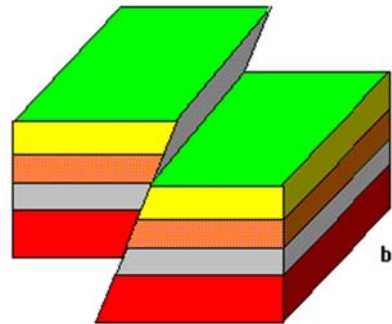
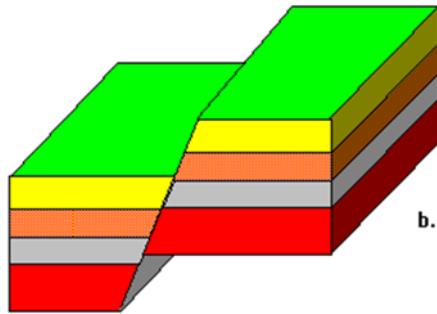


Target	1	2 (all of 1 plus)	3 (all of 2 plus)	4 (all of 3 plus)
LE 5.7 Preparedness	Does not complete formative or summative in an effortful and timely manner, is not engaged, does not arrive on time with class materials ready to learn, does not communicate when issues arise	Completes formative or summative 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!

Faults and Plate Boundaries

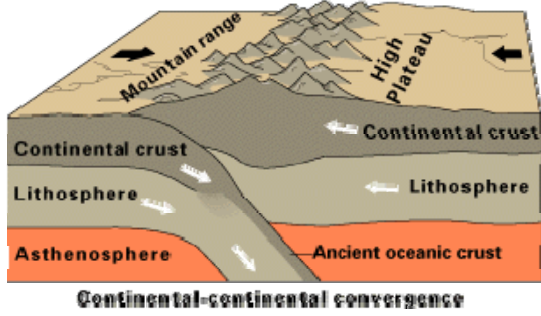
1) Which type of **fault** is pictured below?

Draw arrows to show the direction the plates are moving in AND label the "foot".



For each fault represented above, diagram AND label what must be happening in the layers of Earth to result in the fault.

2) What type of motion of the plates created the mountain range in the picture below? _____

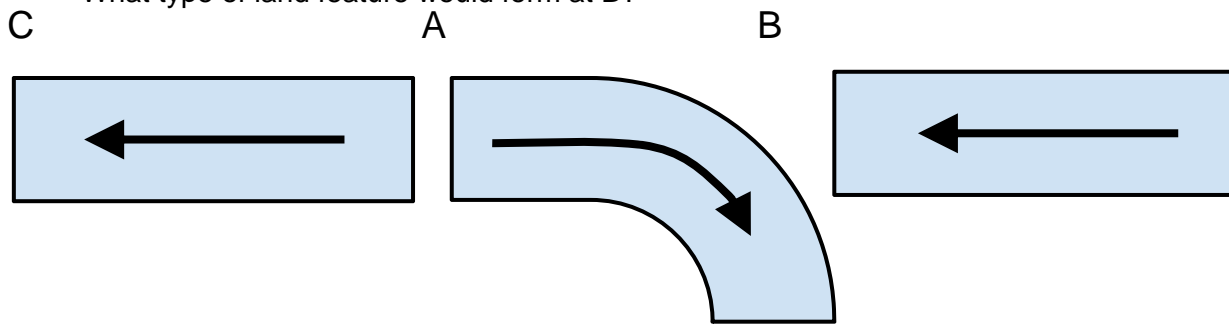


What caused the mountains to form?

3) In the diagram below, the boxes represent tectonic plates.

What type of land feature would form at A?

What type of land feature would form at B?



Represent what must happen in Earth's layers below the plates that would result in the movement of the plates represented above.

4) Represent a strike/slip fault.

- draw two "blocks" next to each other (bird's eye view)
- draw a river perpendicular to the boundary of the blocks
- then draw a second picture to represent the result of the **strike/slip fault**
- what happened to the river as a consequence of the fault? Represent your answer on your diagram.

5) Draw a **thrust fault** that has at least 3 sedimentary layers in it.

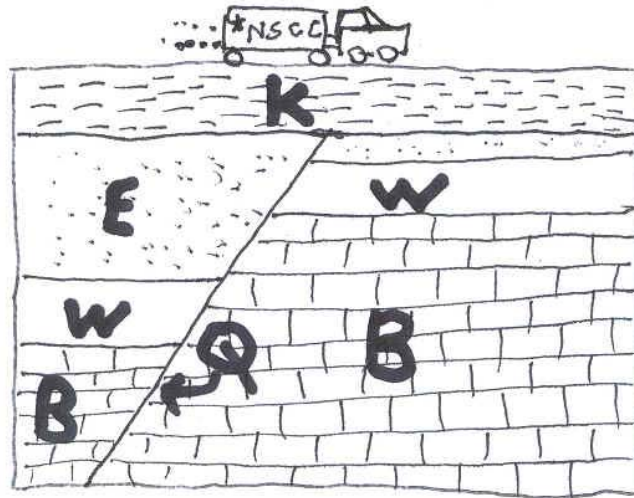
How is a **thrust fault** different from a **normal fault**? Use your diagram to support your answer.

6) Are the two sides of the fault below being pushed toward each other **or** pulled apart?

What type of fault is it?

When in the sequence did the fault occur (eg. after ____, before ____)?

Based on the principles of geology... indicate the order of events that occurred.



7) Draw an arrow to and label one anticline and one syncline fold in the diagram below.

When in the sequence did the folding occur?

Based on the principles of geology.... indicate the order of events that have occurred.

