

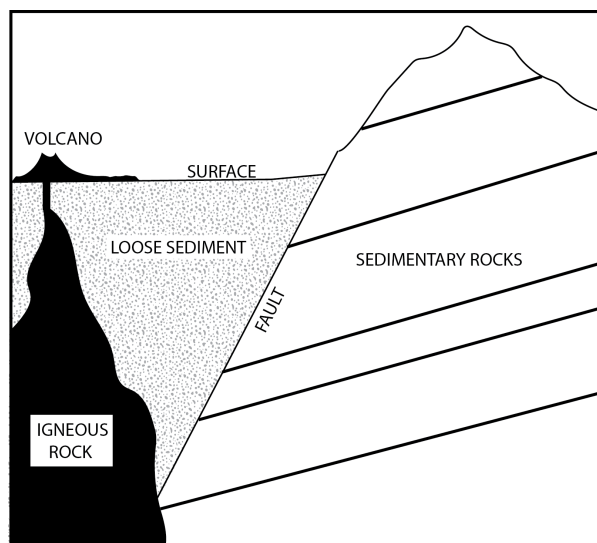
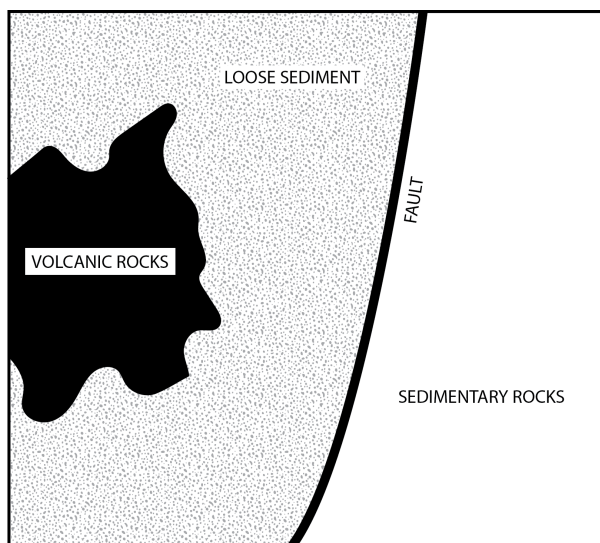
Name: _____

Per: _____

Natural Resources and Geology Assessment

Student-friendly objective: I can construct a scientific explanation based on evidence that explains why earth's resources are unevenly distributed.

TASK 1: Study the images below. Both show the same area. The image on the left shows a geologic map of the area. The image on the right shows what the rocks look like below ground.



Based on the geology of this area, name two resources you might expect to find here. Explain your answer.

Natural Resource	Why would you expect to find this resource here?
1.	
2.	

TASK 2: On either map, mark the specific locations where you would search for these two resources.

TASK 3: Based on the geology of this area, where will be a good place to find water?

TASK 4: In your own words explain why natural resources are not evenly distributed across the earth's surface.

Give two pieces of evidence to back up the claim you made above:

1.

2.

To demonstrate understanding, students will need to explain that natural resources are not distributed evenly across the earth's surface because the resources found in an area depend on the geology of the area. In the map task, students may indicate that metallic resources are often found in fractures and faults near intrusive volcanic rocks (but not in them). The sedimentary rocks may be a source of sedimentary minerals such as gypsum, salt, or calcite. Any of the rock types may also be a source of building materials. Use [this document](#) as a guide when grading. Students should understand that possible water resources in this area could include aquifers in the loose sediment or sedimentary rocks, or snowpack in the mountains.