

## Geology Connections-What Makes Our Land So Unique

You are the owner of a unique travel agency offering tourists from around the world trips to the center of the Earth. For your agency you must advertise this once in a lifetime opportunity by creating a project to demonstrate your understanding of the Earth's unique terrain. Your company has a fail-proof vehicle so do not get caught up in concerns about whether the journey is actually possible. Each project must address the questions/concepts outlined below. Create both a 3-D model and poster. This assignment will be scored as a major. Each project must include the following:

Project Element	Point Value	Score
<b>Planning Page:</b> (This is just a plan to help you organize your thoughts it does not have to contain all the detailed information that will be in the project. It can be a bubble map, T-chart, or any other organizational strategy)	5	
<b>Earth's Layers</b> <ul style="list-style-type: none"> <li>● Draw and label each layer</li> <li>● Include thickness, density, and composition of each layer</li> <li>● Include convection currents where they occur and what they cause.</li> <li>● Why do you need to learn about the layers of the Earth?</li> </ul>	20	
<b>Tectonic Plates</b> <ul style="list-style-type: none"> <li>● Draw and label each type of boundary               <ul style="list-style-type: none"> <li>○ Convergent collision and subduction</li> <li>○ Divergent</li> <li>○ Transform</li> </ul> </li> <li>● Include the features associated with each type of boundary</li> <li>● Describe how the rocks in the rock cycle are related to tectonic plates.</li> </ul>	20	
<b>Soil</b> <ul style="list-style-type: none"> <li>● Describe the composition/ingredients of soil</li> <li>● Explain how the process of weathering plays a role in the formation of soil</li> <li>● Draw and describe a soil profile.</li> <li>● Why is soil important?</li> </ul>	20	
<b>Soil Conservation</b> <ul style="list-style-type: none"> <li>● Name and describe two ways humans harm the soil</li> <li>● Name and describe 3 ways humans conserve the soil</li> <li>● Why is soil conservation so important</li> </ul>	20	
<b>Summary</b> <ul style="list-style-type: none"> <li>● In a paragraph explain <b>WHAT MAKES OUR LAND SO UNIQUE?</b> Explain how all four topics above are complementary processes (related to each other) make our Earth so unique and special. (MINIMUM of 5 sentences)</li> </ul>	10	
<ul style="list-style-type: none"> <li>● Creativity/Neatness/Labels</li> </ul>	5	
<ul style="list-style-type: none"> <li>● Total</li> </ul>	100	