

ROCK ANALYSIS

There is a lot more to rocks than meets the eye. We can look at many characteristics such as the minerals present, the processes that formed them and their age.

Project: make a slide presentation to explain the characteristics of a type of rock. You may not use any of the examples that we have looked at in class. Choose something else. Find a rock that is interesting to you.

Presentation: You will be presenting this to the class on either 2/13 or 2/14. The due date is 2/13. We will be working on it in class on parts of 2/7, 2/8 and 2/9. I will send out the assignment on google classroom. Please turn it in this way as well.

Topics to cover (at least one slide each)

- **Name and description of rock**
- **An explanation of the type of rock (igneous, metamorphic, sedimentary)**
- **Characteristics including minerals present, hardness, luster, etc.**
- **Process of formation (for that specific rock)**
- **Geology of formation (what is going on around the rock to make it that way)**
- **Places in the world where it forms**
- **Real world use of the rock (this can be why it's useful or why it isn't)**

You may use images, tables and graphs as evidence on your slides. Please make sure you credit all of the information you get and the images you use.

Resources: Use geology.com or other online resources to find information about your rock as well as the other topics.

Describe and Compare the Properties and Composition of the Earth

Highly Proficient	Proficient	Close to Proficient	Developing
<ul style="list-style-type: none"> <input type="checkbox"/> I can explain the geologic process that created the rock <input type="checkbox"/> I can give an example of a real world use of the rock <input type="checkbox"/> My presentation is well formatted and can be learned from 	<ul style="list-style-type: none"> <input type="checkbox"/> I can explain how the <u>type</u> of rock is formed. <input type="checkbox"/> I can show which minerals are present in the rock. <input type="checkbox"/> I can explain characteristics of the rock <input type="checkbox"/> I can show a place in the world where my rock forms. <input type="checkbox"/> My details are correct <input type="checkbox"/> My presentation is clear and informative. 	<ul style="list-style-type: none"> <input type="checkbox"/> I can give an example of a rock and explain how it forms. <input type="checkbox"/> My answer lacks detail. <input type="checkbox"/> Some of my information is incorrect. <input type="checkbox"/> My presentation shares the information that I have. 	<ul style="list-style-type: none"> <input type="checkbox"/> I cannot give an example of rock or how it forms. <input type="checkbox"/> My presentation does not provide any information. <input type="checkbox"/> not attempted

