

## Rock Detective Project

Grading Sheet for \_\_\_\_\_

Did the presentation include:

1. Location of rock formation + 5 \_\_\_\_\_
2. Age of oldest rock & evidence used to determine + 5 \_\_\_\_\_
3. Type of rocks in the formation (S, I, M) + 5 \_\_\_\_\_
4. Forces that have acted on the rock (how it formed) + 5 \_\_\_\_\_
5. More information (Need at least 3 facts and/or pictures with info) + 6 \_\_\_\_\_  
Might include a picture for scale, importance in USA/country, or  
Interesting geological features or fossils found
6. Did the group use their class time wisely and put forth a good effort? + 4 \_\_\_\_\_

Other notes:

Grade = \_\_\_\_\_/30 = \_\_\_\_\_%

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Other notes:

Grade = \_\_\_\_\_/30 = \_\_\_\_\_%

Answer these questions using your group's presentation to determine your project grade.

1. Where was your rock formation located? (+2) \_\_\_\_\_

2. How old was the oldest rock? (+1) \_\_\_\_\_

Into what geologic time division does it fit? (+1) \_\_\_\_\_

What evidence did you give for this information? Explain. (+2) \_\_\_\_\_

\_\_\_\_\_

3. What type of rocks are in your rock formation? Give examples for each type. (+2 each)

Sedimentary - \_\_\_\_\_

Igneous - \_\_\_\_\_

Metamorphic - \_\_\_\_\_

4. What forces have acted upon your rock formation? Explain how each affected it. (+ 2 each)

Tectonic forces - \_\_\_\_\_

Weathering/Erosion - \_\_\_\_\_

Other - \_\_\_\_\_

5. What three facts did you include? (+3)

1 - \_\_\_\_\_

2 - \_\_\_\_\_

3 - \_\_\_\_\_

6. Effort & Contributions (+4 each)

Did your group use their class time wisely? (+4) Yes No Why? \_\_\_\_\_

Did everyone do their part of the project? (+4) Yes No Why? \_\_\_\_\_

Other notes:

Grade = \_\_\_\_\_/30 = \_\_\_\_\_%

**Part A: Compare your group's project with the information provided by the teacher. How did your group do for each of the following areas? Rate from 1 (poor) to 4 (excellent).**



Name & Location of the rock formation (city, state, country) 1 2 3 4

Age of oldest rock – years and/or geologic time 1 2 3 4

Evidence of age provided (relative age, rock layers, fossils, etc.) 1 2 3 4

Described the types of rocks in the formation & examples 1 2 3 4

Sedimentary

Igneous

Metamorphic

Described the forces that have affected the rock. 1 2 3 4

Tectonic forces

Weathering/Erosion & Causes (Wind, water, etc.)

Other - \_\_\_\_\_

What three facts did you include (text or pictures)? 1 2 3 4

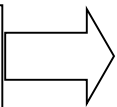
Scale/size or shape

Historical facts

Science facts

Other

Complete the back of this worksheet to help your teacher determine the number of team points each person should receive based on their contributions to the final project.



----- The teacher will fill out the bottom portion. -----

Teacher Comments:

Project Points Earned = \_\_\_\_\_ out of 32

Team Points Earned = \_\_\_\_\_ out of 8

Final Grade = \_\_\_\_\_/40 = \_\_\_\_\_ %

**Part B: Team Work/Effort**

*Did your group use their class time wisely? Why or why not?*

*Did everyone do their part of the project? Why or why not?*

*Each person can earn up to 8 points for their effort/contributions to the project. Do you feel everyone in your group should receive the total points? If not, who should have more and who should have less? Give reasons.*

*Note: If you feel you did more than your team thinks you did, send me an e-mail and list the parts of the project you completed.*