

Name: \_\_\_\_\_  
Science 6—Rocks & Minerals

Date: \_\_\_\_\_  
School: \_\_\_\_\_

**Unit Examination on Rocks & Minerals**

*Vocabulary—Please give a one or two sentence definition of each. (2 pts each)*

1. Mineral—

2. Rock—

3. Magma—

4. Cementation—

5. Lithification—

6. Luster—

7. Contact metamorphism

8. Extrusive rocks--

9. Weathering—

10. Crystallization--

Mineral Identifications---Please list as many characteristics of the rocks below, then write down the name of the rock (4 pts each)



Multiple Choice—Circle the best choice for the questions below (2 pts each)

1. A common use for mica is: A) household cleaning, B) electrical insulators, C) packaging of meat
2. A common use for quartz is: A) glass manufacturing, B) kills bacteria, C) photography
3. Obsidian is a common example of: A) intrusive igneous rock, B) extrusive igneous rock. C) sedimentary rock
4. Compaction is: A) process that forms metamorphic rocks by heat and pressure  
B) process that requires magma to form extrusive rocks  
C) is the squeezing together of layers of sediment due to the great weight of overlying layers of rock
5. Clastic rocks are: A) made from magma inside the earth,  
B) type of metamorphic rock resulting from heat and pressure  
C) made of pieces of rock or mineral grains that have been broken from preexisting rock.
6. What is the second most commonly found element in minerals: A) oxygen, B) silicon, C) potassium
7. On the Moh's scale, which mineral is the hardest: A) talc, B) gypsum, C) diamond
8. What mineral would you most likely find in a sandstone: A) feldspar, B) diamond, C) talc
9. What are the two major categories of metamorphic rocks:  
A) Redstones and Mudstones, B) Quartzites and Sulfites,  
C) Foliated and Non-foliated
10. What is the most common rock found on earth:  
A) granite, B) limestone, C) gneiss

Short Answers—Please write in a few sentences (5 pts each)

1. List and explain three ways minerals are classified?

2. What are some examples of organic sedimentary rocks that you would find in Pennsylvania?

3. Write a hypothesis of how the mountains of Pennsylvania were formed. Use your knowledge of how different types of rocks are formed

4. What are some common areas or locations that igneous rocks would be found in the world? Explain.

Essay Question---Please answer **one** (1) of the following questions. You must use key terms, concepts and descriptions that you learned throughout this unit. Answer on the back of this sheet. (20 pts)

1. Write an essay, draw a diagram or picture about the Rock Cycle. Include how sedimentary, igneous and metamorphic rocks are related. If you use pictures they must be labeled with appropriate terms.
2. What are some useful classification techniques that you could use to classify rocks? Give examples and describe different types of tests you could use. How would your results compare to results found in textbooks or Internet sites. Would they be the same? Why or Why not? Please explain in full detail.
3. Choose a topic of your choice to write about. It must be at least 3-4 full paragraphs. It must be a concept or idea we learned in this unit. Give examples, explain key terms, and what you learned from it. (Example essays: common uses of minerals, how rocks are formed, etc.) Be creative, but make sure it relates to Rocks & Minerals.