**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_**

**3 Types of Rocks PREtest**

(S6E5.c. Classify rocks by their process of formation.)

1. If you find a rock, what 2-3 things can you use to classify or identify the rock (not the same as mineral identification)?
2. What force/ process of Earth create **igneous** rocks? (list at least one)
3. What are the two types (not examples) of igneous rocks?
4. What force/ process of Earth create **sedimentary** rocks? (list at least two)

**Performance Task**

Due Date: Q1-4\_\_\_\_\_\_\_\_\_\_

**Q1** Pick a rock (ex: granite), and tell how it can be identified, using the 2-3 ways to classify rocks.

**OR** Make a multimedia presentation that shows two different rocks, and explain how they are different (using the 2-3 ways to classify rocks).

**OR** Create a rock CUBE about one rock—include things like type & subtype, creation, classification, identification, use/importance, minerals, picture (can use: http://www.readwritethink.org/files/resources/interactives/cube\_creator)

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**Q2**  Pick one igneous rock, and explain how it was created.

**OR** Where are you most likely to find igneous rocks. Explain and give an example.

**OR** Make and acrostic for “igneous rock.”

 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Q3**  Make a TREE map that shows the two types of igneous rocks (include how each forms and 2 examples of each).

**OR** Make a double bubble that compares and contrasts the two types of igneous rocks (include how each forms and 2 examples of each).

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**Q4** Pick one sedimentary rock, and explain how it was created.

**OR** Where are you most likely to find sedimentary rocks? Explain and give an example.

**OR** Write 3 Facts and a Fib about the forces/processes that create sedimentary rocks.

 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_**

Pretest—page 2

1. What are the three types (not examples) of sedimentary rocks?
2. What force/ process of Earth create **metamorphic** rocks? (list at least one)
3. What are the two types (not examples) of metamorphic rocks?
4. Fossils (the ancient remains of organisms preserved) are mostly found mostly in which type of rock? (**pick one**: igneous, sedimentary, OR metamorphic rocks)

**Performance Task**

Due Date: Q5-8\_\_\_\_\_\_\_\_\_\_

**Q5**  Make a TREE map that shows the 3 types of sedimentary rocks (include how each forms and 2 examples of each).

**OR** Make a triple bubble that compares and contrasts the 3 types of sedimentary rocks (include how each forms and 2 examples of each).

 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Q6**  Pick one metamorphic rock, and explain how it was created.

**OR** Where are you most likely to find metamorphic rocks? Explain and give an example.

**OR** Write a recipe card for creating/making a metamorphic rock of your choice. (start with its minerals)

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**Q7**  Make a TREE map that shows the two types of metamorphic rocks (include how each forms and 2 examples of each).

**OR** Make a double bubble (or Venn diagram) that compares and contrasts the two types of metamorphic rocks (include how each forms and 2 examples of each).

 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Q8**  Most fossils are found in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rocks. Explain why fossils are not usually found in the other 2 types of rocks.

**OR** Make an illustration (like a comic strip) that shows the formation of fossils in rocks. (can use a website like toondo.com)

**OR** Brainpop sequencing (write out the steps or show me the screen shot when done:

<http://www.brainpopjr.com/science/land/fossils/sequenceorder/>

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**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_**

Pretest (page 3)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a process where water, wind, ice, and/or heat break down rock.
2. Compare and contrast **compaction** and **cementation** (of sediment).
3. Compare and contrast **erosion** and **deposition** (of sediment).
4. What is sediment? Give two examples **or** two types of sediment.

**Performance Task**

Due Date: Q9-12\_\_\_\_\_\_\_\_\_\_

**Q9** Make a TREE MAP that shows the ways that rocks can be broken down (include a sketch of each)

**OR** Make a multimedia project that shows how a rock can be broken down (include a picture for each)

 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Q10** Make a double bubble or Venn diagram that compares and contrasts compaction and cementation (of sediment).

**OR** Make an illustration (like a comic strip) that shows compaction and cementation of sediment. (can use a website like toondo.com)

 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Q11** Make a double bubble or Venn diagram that compares and contrasts erosion and deposition (of sediment).

**OR** Make an illustration (like a comic strip) that shows compaction and compression of sediment. (can use a website like toondo.com)

 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Q12** Make a TREE map that describes at least 5 types of sediment.

**OR** Make a multimedia presentation that shows pictures (with captions) of different types of sediment