

18.3 The Rock Cycle Review

Name: _____ Period: _____

1. Describe the difference between an element, a mineral, and a rock.

2. Is a diamond a rock or a mineral? Explain your answer.

3. List the two most abundant elements and the two most abundant minerals found in Earth's crust.

4. The mineral halite naturally forms cubes. How many direction of cleavage does it have?

5. What does the word hardness mean in reference to the Mohs hardness scale?

6. Use the Mohs Hardness scale to answer the following questions.

a. A mineral scratches talc and gypsum. This mineral does not scratch fluorite. What is the Mohs hardness of this mineral? _____

b. A mineral scratches topaz and quartz, and is scratched by diamond. What is the Mohs hardness of the mineral? _____

c. A steel nail scratches apatite but not quartz. What might be the hardness of the steel nail? _____

d. Which mineral scratches all other minerals? _____

7. List one feature that you could use to identify each of the three groups of rocks.

8. What kind of rock is granite? Justify your answer.

9. Does the rock cycle have a beginning point or an ending point? Explain your answer.

10. True or False. Metamorphic rocks could be made from sedimentary and igneous rocks, but not from other metamorphic rocks.

11. Draw the rock cycle