Name: _____

Rock Cycle Interactive

Go to the following website (https://www.learner.org/interactives/rockcycle/) and move through each step of this worksheet. At the end you will take a quiz to see how well you understood the material.

1) On the front page, click on "**Begin with Types of Rocks**."
2) Read the information about the **Types of Rocks** and answer the following questions in **complete sentences.**
   a. What is a sedimentary rock? Give an example.

   b. What is a metamorphic rock? Give an example.

   c. What is an igneous rock? Give an example.

   d. Create a table of the key characteristics that can help you identify the previous types of rocks.

Characteristic	Description

3) Click on "**Next: Start your rock collection.**" Then click "Begin." Click on each one of the rocks present and fill out the following chart.

Name of Rock	Description
Conglomerate	
Limestone	
Basalt	
Gneiss	
Obsidian	
Marble	

a.

4) Next click on "**Identify Rocky Types.**" Then click "Begin." Complete the activity.
   a. What was your score?

5) Click "Done." It will take you to the next page called "**How Rocks Change.**" Read the Introduction.
   a. Click on the animation. What happens to the rock as heat and pressure are applied?

   b. Go to the next page. Watch the **Melting Animation**. What happens to the rock as temperatures increase? What temperature does it take for a rock to melt?

c. Now watch the **Cooling Animation**. How is extrusive igneous rock formed?

d. What kind of rock is **ALWAYS** formed from magma **cooling**?

e. Click "Next." Watch the **Weather and Erosion Animation**. What are the main ways rocks can be eroded? What are the results of weathering and erosion?

f. Now watch the **Compacting and Cementing Animation**. What happens to the sediment that is accumulated over time?

6) Click on "**Transform the Rock**." Complete the activity.
   a. What was your score?

7) Click on "**The Rock Cycle Diagram**."
   a. Who first created the concept of the rock cycle? What is it used for?

   b. Click on "Done." Complete the following activity to fill out the rock cycle.

8) Click on "Done." Now complete the **chapter quiz**. What was your score? (**Should be out of 15 questions.**)

9) Did you like this activity? Do you feel like you better understand the types of rocks present on Earth and the cycle that causes them to change over time?