

Name: _____ Period: _____ Date: _____

Rock Cycle Interactive

URL: <http://www.learner.org/interactives/rockcycle/>

Part I: Types of Rocks → *Read through this section and fill in the chart.*

S _____

M _____

I _____

<i>How does it form?</i>	<i>How does it form?</i>	<i>How does it form?</i>
<i>Characteristics:</i>	<i>Characteristics:</i>	<i>Characteristics:</i>
<i>Two examples:</i>	<i>Two examples:</i>	<i>Two examples:</i>

Directions:

- Look at the chart at the bottom of the page titled "**What to Look For**" to see the different characteristics for each rock type.
- Then click on "**Next: Start your rock collection**" and then "**Begin**" to start your Rock Collection.
- Click on the rock samples to add them to your Rock Collection and read the information provided about each of the samples.
- Once your Rock Collection is completed, click on "**Identify Rock Types.**" Click "**Begin**" to start the Quiz.
- Re-take the Quiz until you have at least 8 out of 10 correct. When finished the Quiz click on "**Next Chapter**".

Part II: How Rocks Change → *Read through this chapter and answer the questions below. Click the "Next" arrow to navigate through the sections.*

- 1) Summarize how one type of rock changes into another type from **heat** and **pressure**, forming metamorphic rock.

- 2) Summarize what happens during **melting** and **cooling** (be sure to explain the difference between intrusive and extrusive igneous rock):

3) Describe the process of weathering and erosion.

4) Explain the process of compacting and cementing, which form sedimentary rock.

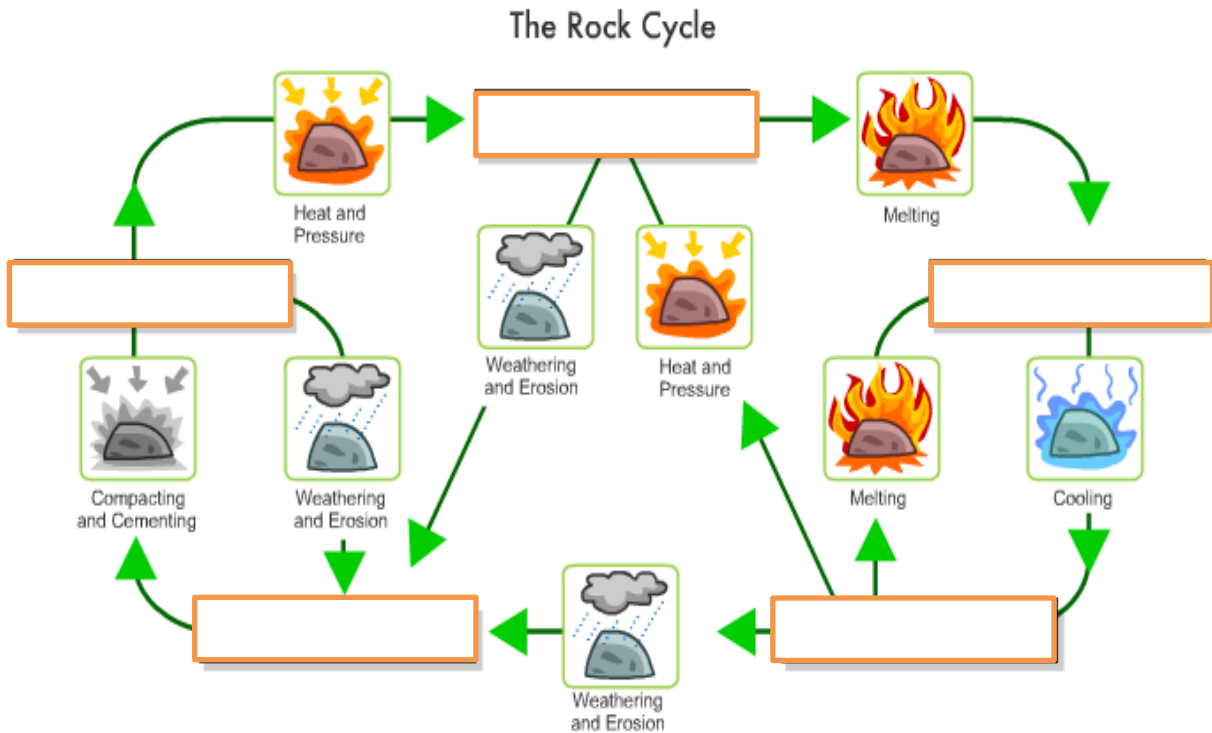
Directions:

- At the bottom of the page click on the **“Transform the Rock”** Challenge.
- Click **“Begin”** and complete the **“Transform the Rock”** Challenge.
- Re-take it until you have at least 15 correct. When finished the Quiz click on **“Next Chapter”**.

Part III: The Rock Cycle Diagram

5) What is the main idea of the rock cycle?

6) Fill in the blanks in the rock cycle diagram below:



Directions:

- After completing the diagram above, click on **“Complete the Cycle”** at the bottom of the web page. Then click **“Begin”** to start the rock cycle review quiz. Re-take the quiz until you have scored at least 8 out of 10.
- After completing the rock cycle quiz, click on **“Final Chapter”**. Fill in your first and last name. Complete the assessment. If you have less than 12 out of 15 (less than an 80%), review and re-take the quiz.

Final Score: _____