

Unit : Handout :  
3 : 28

*Lesson 13: Rock Cycle*

**Purpose:** Learn about the rock cycle and its stages.  
Create a visual comic of what happens to a rock in the rock cycle.

**Guiding Question** How does a rock change over time?

**Instructions:** Follow the steps below to learn about the rock cycle.

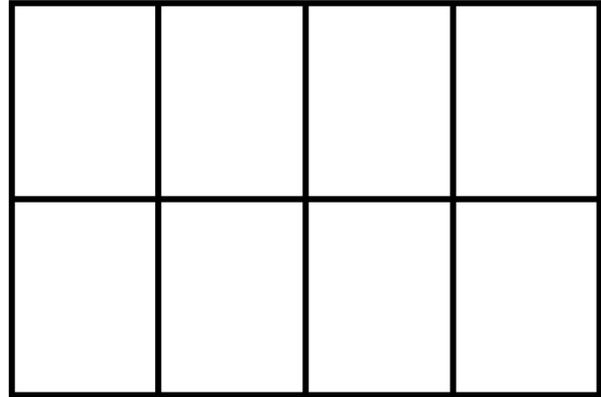
1. Download (or grab a printed copy from up front) the Rock Cycle reading. The password to open the file is room122.
2. Read the first two paragraphs on page 78 of the rock cycle reading. Now, define the term "rock cycle" in the space below.
3. Read about the three rock types on page 78 of the rock cycle reading. In the space below, write short definitions of the three rock types.

Rock Type	Definition (how it forms and what it is made of)
<b>Igneous</b>	
<b>Sedimentary</b>	
<b>Metamorphic</b>	

4. Look at the visual of the rock cycle diagram on page 79 of the rock cycle reading. Find the igneous rock on the right side of the sheet. What three different ways an igneous rock can change? Write your answer in the space below.

5. Now that you know the basics of the rock cycle, you will create a comic showing a story of how a rock travels through the rock cycle. Here's what you need to do:

- 5.1. Take a large blank sheet of paper from the front table.
- 5.2. Fold the paper in half hot-dog way.
- 5.3. Keep it folded and fold it in half hamburger way twice. The end result will look like the diagram shown here.



6. In the first panel (square) you will make the title for your comic. The remaining 7 squares will be used to tell your rock's story in the rock cycle.

7. Here are the requirements for your story:

- 7.1. Start as an igneous rock and choose where your rock will go next. Will it become sedimentary, metamorphic, or igneous? What caused it to change from igneous to your next rock type? (Use the diagram on p. 79 of the Rock Cycle Reading to help you!)
- 7.2. Repeat the previous step until your rock has gone through all 3 rock types.

8. Now you will draw your story on your comic sheet. Remember, your first panel is for your title. The second panel should introduce the reader to your igneous rock. The third panel should show how that igneous rock is changing. The fourth panel should introduce the "new" rock your igneous rock turned into. Continue doing this until you have completed all 8 panels on your comic.

9. **Grading:** Yes, you will be graded on this! Here's how:

- 3 points: you showed all rock types on your comic.
- 3 points: you described each rock type on your comic.
- 3 points: you described how the rock changed from one type to another.
- 1 point: your comic is colorful and attention is paid to detail.

This is not homework for the weekend. However, it will be collected by Wednesday, April 6th. So, keep that in mind!