

Rock Cycle WebQuest

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

1. Go to the **Introduction** at the top of the page and read the information.
2. Scroll down and click on **Begin with Types of Rocks**.
3. You should now be on the **Types of Rocks** page. Read the section and answer these questions.
 - a. What are the 3 main types of rocks?
 - b. What are sedimentary rocks made of?
 - c. Give 1 interesting fact about each type of rock.
 - i. Igneous:
 - ii. Sedimentary:
 - iii. Metamorphic:
 - d. Give 1 example of each type of rock.
 - i. Igneous:
 - ii. Sedimentary:
 - iii. Metamorphic:
 - e. What are the key characteristics used to identify rocks? (Scroll down to the **What to Look For** section)
4. Click on **Start Rock Collection** and begin. Touch each rock and read the information about it.
5. Click on **Identify Rock Types**. Take the quiz and record your score here. _____
6. You should now be on the **How Rocks Change** page. Read the different sections and answer the following questions.

Heating & Pressure

- a. What are the first 2 forces that cause rocks to change?
 - b. True or False: The rock cycle is a slow process.
- *Click on the **Start** button. Read the section.
- c. What is metamorphism?

* Watch the animation!

*Click on the **Next** button.

Melting

- a. At what temperature does rock melt?

Cooling

- a. What happens when liquid magma is cooled?
- b. What is intrusive igneous rock?
- c. What is extrusive igneous rock?

**Watch the animations!*

Weathering & Erosion

- a. What forces/elements are involved in weathering and erosion?
- b. What is the result of weathering and erosion?

Compacting & Cementing

- a. What happens to sediment over time?

**Watch the animations!*

Click on **Transform the Rock. Take the quiz and record your score. _____*

7. You should now be on the **Rock Cycle Diagram** page. Read the information and answer the following questions.
 - a. Who is the rock cycle attributed to?
 - b. What is the main idea of the rock cycle?
 - c. True or False: Rocks are not created nor destroyed, but they are recycled.

**Explore the rock cycle diagram!*

Go to **Complete the Cycle. Take the quiz and write your score here. _____*

8. You should now be on the **Test Your Skills** page. Enter your first name and the initial for your last name (both partners). Now, take the final quiz! ***I MUST SEE AND RECORD THIS SCORE, IN ORDER FOR YOU TO RECEIVE CREDIT!!!***

Your WebQuest is now over...