

Name: _____

Date: _____

Student Exploration: Rock Cycle

Vocabulary: deposition, erosion, extrusive igneous rock, intrusive igneous rock, lava, lithification, magma, metamorphic rock, rock cycle, sediment, sedimentary rock, soil, weathering

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

1. What happens to hot **lava** after it erupts from a volcano? It cools and hardens into rock

2. How does rock turn into **soil**? It is weathered by mechanical or chemical means

3. The Mississippi River carries tons of tiny rock fragments called **sediments** into the Gulf of Mexico. What do you think will happen to these sediments after a few million years?
Turns into Sedimentary rock

Gizmo Warm-up

Over millions of years, rocks are broken down and transformed into other rocks. The *Rock Cycle* Gizmo™ illustrates the different transformations that make up the **rock cycle**. Before exploring the Gizmo, take a look at the image.



1. What types of rocks are shown? Intrusive and Extrusive igneous, Metamorphic and Sedimentary rock
2. **Magma** is molten (liquid) rock under Earth's surface. Based on the image, how do you think magma turns into **extrusive igneous rock**? Magma cools and hardens on the surface
3. Click **Extrusive igneous rock** button to the right of the image. Were you correct? Yes

3 3 Rock Cycle Gizmo Exploration Guide

Claire O'Neal

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

3 3 Rock Cycle Gizmo Exploration Guide:

The Enigmatic Realm of **3 3 Rock Cycle Gizmo Exploration Guide**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **3 3 Rock Cycle Gizmo Exploration Guide** a literary masterpiece penned by way of a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of those that partake in its reading experience.

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