



Name: _____

The Rock Cycle

On the first rock cycle graphic, choose one of the four types of rock (sedimentary, metamorphic, magma or igneous) and describe how it is formed:

Type: _____

How it is changed: _____

Shake to read about melting. On the graphic that has the slider to heat up the rock, use the slider (starting at the blue end of the slide for each rock) to see at what temperature each type of rock becomes magma. Write the approximate temperatures in below.

iron:

magnesium:

silicon:

calcium:

chromium:

From reading the portion of the story on the next page, what temperature change happens to make the character become a rock? _____

Shake to learn about igneous rocks. On this page, choose a magma: _____ and choose
(write magma type above)
a grain type: _____. What kind of rock did you create? _____
(write grain type above)

Shake to learn about weathering and erosion. Choose an agent of weathering: _____ and describe
(write weathering agent above)
what the agent does: _____

Shake to learn about black sand beaches. What causes black sand beaches to form? _____

On the page that begins "My calcite in the sea dissolved," name what material turns the rock into limestone: _____

Shake to learn about the geothermal gradient. Using the sliding arrow, write in the approximate temperature of

The Outer Core _____ The Inner Core _____