

Name \_\_\_\_\_

Date \_\_\_\_\_



## Hard Rock Café Family Page



**Question(s): How can the different types of rocks be identified and classified?  
How do rocks cycle on the Earth?**

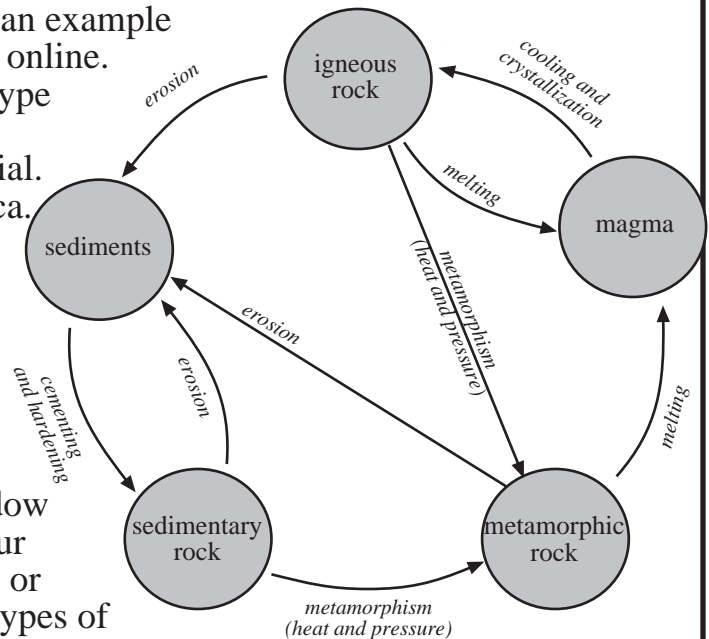
### What's Happening in Class?

We are studying earth science and how the Earth's crust and the various types of rocks were formed. Each team of students is conducting careful observation, testing, and data collection on a variety of rock specimens to try to determine the type (igneous, sedimentary, or metamorphic) and special characteristics of each. For more specific information on this lesson, visit the *Science for Ohio* website at [www.environmentaleducationohio.org](http://www.environmentaleducationohio.org) and click on the *Hard Rock Café* inquiry.

### What Can We Do at Home?

1) Discuss the following terms and try to find an example of each in your neighborhood, in a book, or online.

- rock cycle*: the change of rock from one type to another in a sequence. See diagram.
- igneous rock*: formed from molten material. Examples are pumice, granite, quartz, mica.
- sedimentary rock*: formed from layers pushed tightly together. Examples are conglomerate, sandstone, shale, soft coal.
- metamorphic rock*: formed by heat and pressure. Examples are quartzite, slate, marble, and hard coal.



2) Investigate the types of rocks used for window sills, pillars, outside decorations, etc., in your house or other buildings. Visit a courthouse or older stone building and try to identify the types of rock used in construction. Investigate the types of rocks used to construct the Washington Monument and the White House.

3) Check out the following resources or visit *Science for Ohio* for additional resources.

#### Books

*Geology Rocks: 50 Hands-On Activities to Explore the Earth* by Cindy Blobaum  
ISBN 1-885593-29-5

*A Pebble in My Pocket: A History of our Earth* by Meredith Hooper  
ISBN 0-670-86259-2

#### World Wide Web

*BrainPOP.com*, an award-winning site, offers original animated movies that answer kids' questions about health, science, and technology. The site provides an interactive quiz while movies load. Visit the site and watch their two-minute *Rock Cycle* or *Crystals* movies. <http://www.brainpop.com>