

Rock Cycle Project

Follow the directions to complete the worksheet below.

Go To: <http://sciencespot.net> --> Kid Zone. Under the heading Earth Science, choose Rocks and Minerals

Site #1: Study Jams Geology: Choose **Study Jams Geology** --> click on "**Go to Activity**" for The Rock Cycle - Watch the video to complete this section. Then take the quiz.

Complete Each Sentence:

1. Heat and pressure melts _____ rock and turns it into _____. When it cools it becomes _____.
2. Igneous rock can be broken down by _____ and the pieces moved around by erosion. The mix of pieces become _____ rock, such as limestone.
3. The weight and pressure creates heat causing the _____ rock to turn into _____ rock, such as marble.
4. Try the quiz by clicking the **Test Yourself** button. Enter your score in classroom.

Site #2: Interactive Rock Cycle: Choose **Interactive Rock Cycle** → "**Begin with Types of Rocks**" to start.

1. Identify each type of rock.
 - a. _____ rocks are formed when magma cools and hardens.
 - b. _____ rocks are formed from sand, shells, pebbles, and other fragments, that are compacted or cemented together.
 - c. _____ rocks are formed (changed from other rock types) by heat and pressure under the Earth's surface.
2. "**What to Look For**": Read the descriptions of each characteristic that can help you identify and classify rocks and then click "**Next: Start Your Rock Collection**" (it's at the bottom right). Follow the directions to collect samples.
3. Read the description of each rock to complete the first column in the chart with the **Key Characteristics** you might observe in each one.

Sample	Key Characteristics	Rock Type
Conglomerate		
Gneiss		
Limestone		
Basalt		
Obsidian		
Marble		

4. Click the link to "**Identify Rock Types**" and complete the third column; Use "**I**" for igneous, "**S**" for sedimentary, and "**M**" for metamorphic.

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5. Answer the questions. Enter your score in classroom.
6. Click the link to "**How Rocks Change**" and read the information to complete each sentence. Click "**Next**" to move through the chapter.
 - a. The changing of rocks from one type to another is called the _____. Rocks can be changed by _____ and _____, such as an igneous rock being changed into a metamorphic rock.
 - b. Rocks can be changed by _____ and _____, which creates magma or lava that cools and crystallizes.
 - c. Rocks can be broken down by _____ and _____ into smaller pieces called sediment, which can be _____ together by pressure or _____ together by minerals.
7. Click the link "**Transform the Rock**" and click "**Begin**". Answer the first set of questions and then click "**Next**" to continue. Enter your final score into classroom.
8. Click the link to move to the next chapter. Read ALL the information about the rock cycle and then click "**Complete the Cycle**". Answer the questions. Enter your score in classroom.

