

## ROCK AND ROLL

### *"Who Am I?" Rock Game*

<http://www.kidsgeo.com/geology-games/rocks-game.php>

Identify the rock based on characteristics given including color, luster, hardness, chemical composition, and other characteristics. There are five rocks included for each rock type.

### *Rock Cycle Interactives*

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

Show your students how the three types of rocks are related to each other and how changes occur in the recurring sequence called the rock cycle. The site includes definitions and animations of the rock cycle process and outcomes.

### *Online Rock Collection*

<http://www.learner.org/interactives/rockcycle/types2.html>

Students click on a rock located in the landscape, learn about the rock's characteristics and then place it in their online rock collection.

### *Identify Rock Types*

<http://www.learner.org/interactives/rockcycle/types3.html>

Students can test their knowledge of rock types by observing pictures of rocks and identifying characteristics and then naming the rock type.

## PLATE TECTONICS

### *Build a Volcano*

<http://kids.discovery.com/games/pompeii/pompeii.html>

Learn where volcanoes tend to be found on Earth and the different types of volcanoes. You will also see what is inside a volcano and then you can build your own volcano and watch it erupt.

### *Richter Scale Activity*

<http://siovizcenter.ucsd.edu/library/TLTC/TLTCmag.htm>

Find the Richter magnitude of several earthquakes through the use of an online activity that utilizes Macromedia Flash. Click on Instructions before beginning activity.

### *Plate Tectonics Concentration Game*

<http://www.quia.com/cc/262313.html>

Test your knowledge of terms used in plate tectonics. Adjustable levels are available.

### ***Plate Tectonics Matching Game***

<http://www.quia.com/jg/262313.html>

Test your knowledge of plate tectonics.

### ***Dynamic Earth: Soccer Game***

<http://www.sciencereviewgames.com/srg/games/ps.php?id=59>

How well can you score on this review of plate tectonics ?

## **PERIODIC TABLE**

### ***Element Math Game*** [ages 10 and up]

<http://education.jlab.org/elementmath/index.html>

The computer will randomly pick an element and present you with that element's data from the Periodic Table of Elements. Use that information to answer the question that the computer asks about the number of protons, neutrons, electrons or nucleons (particles in the nucleus) that an atom of that element contains.

### ***Proton Don: Element Names and Symbols***

<http://www.funbrain.com/periodic/index.html>

Test your knowledge of the names of the elements and their symbols playing at the Easy, Medium, or Hard level of difficulty.

### ***Atomic Structure Jeopardy***

<http://www.quia.com/cb/36842.html>

Choose the category and point amount and test your knowledge of the structure of atoms. One or two players can play.

### ***Element Hangman***

<http://education.jlab.org/elementhangman/index.html>

Use clues to discover the element before 'atom man' disappears.

### ***Element Symbols***

[http://www.sheppardsoftware.com/periodictable\\_0\\_click\\_all.html](http://www.sheppardsoftware.com/periodictable_0_click_all.html)

Learn the symbols for the elements of the Periodic Table with this interactive game. The name of the element is given and all you have to do is click on the correct symbol in the table.

### ***Where do the Elements Go?***

[http://www.sheppardsoftware.com/periodictable\\_2\\_drag\\_drop\\_all.html](http://www.sheppardsoftware.com/periodictable_2_drag_drop_all.html)

Drag the element to its correct position on the Periodic Table.

### ***Periodic Table Game***

<http://www.activescience-gsk.com/module5/home.html>

This game will help students understand the patterns and trends of the Periodic Table as well as understand the characteristics of each element. Students are asked to place the un-named element in the proper period/group based on information provided about that element's properties. Different levels of play are available.

### ***How Did Mendeleev Do It?***

<http://www.rsc.org/education/teachers/learnnet/ptdata/games/mendeleev.htm>

Students imagine they are Mendeleev as they attempt to create order of the elements known at his time. Instructions for teachers and students are provided.

### ***Identify the Element***

<http://www.rsc.org/education/teachers/learnnet/ptdata/games/identifyelement.htm>

Information on elements is given and students must identify the element from selections provided. Clues may be requested but will reduced points earned in this individual competitive game. Playing level may be varied.

## **MINERAL TESTING/MESSY MINERALS**

### ***Mineral Properties: Hoops***

<http://www.sciencereviewgames.com/srg/games/hs.php?id=33>

Shoot hoops as you review your knowledge of mineral properties.

### ***Mineral Mix and Match***

<http://www.oum.ox.ac.uk/thezone/minerals/usage/games/set01.htm>

Describe the mineral used to make the objects pictured as you drag the characteristics of the mineral that make it useful.

### ***Cyber Prospecting: Mining in the 50 States***

<http://www.msha.gov/KIDS/MINING.HTM>

Learn how important mining is to the United States.