**True or False?**

-Use the three rock charts to determine if each of the statements are true or false. -One a piece of paper, have student make two columns. Label one **True** and the other **False**.

-Cut out each statement and clue under the appropriate column. -On a separate piece of paper, rewrite all of the false statements and make them true.

Granite is a course grained sedimentary rock. Basalt has more than 50% dark materials. Andesite is calcium rich. Basalt has a glassy texture.

Peridotite has an ultramafic chemical composition. Granite is a light colored igneous rock. Breccia is a chemical sedimentary rock. Grain size 1⁄2 mm is classified as a medium texture. Fossilliferous limestone is made of shells.

The formula for rock salt is NaCl. Shale has the finest texture of sedimentary rocks.

Marble is a sedimentary rock. The parent rock for slate is limestone. Gneiss is foliated. Schist has undergone more metamorphism than slate. Anthracite is a non-foliated, fine textured, igneous rock. Gneiss has undergone more metamorphism than schist. Anthracite is a fine grained, non-foliated metamorphic rock. Granite has high silica content. Olivine is felsic, low iron and magnesium content.

\*Here are some sample charts to use for the activity. Many more can be found on the internet ort in Earth Science textbooks.

http://depthome.brooklyn.cuny.edu/geology/core332/geofield.htm





http://upload.wikimedia.org/wikipedia/commons/7/76/Sedimentary\_Rock\_Chart.png



http://regentsprep.org/Regents/earthsci/units/rocks/metamorphicrockid.gif