



Reacting Rocks with Acid



In year 7 you may have reacted a chemical called a carbonate with an acid. Here is an example of the reaction:



Rocks are made from tiny minerals. Some of these minerals are carbonates, and can react with acid.

Rainwater is naturally slightly acidic because carbon dioxide in the air dissolves in it.

Many rocks, minerals and gravestones slowly react with the acid in the rain over many years. This is called chemical weathering.

Investigation:



1. Goggles are please!
2. Place a sample of rock on the dish provided.
3. Add a few drops of acid.
4. Write down your observations in the table below (e.g. Did it fizz or bubble? Did it float or sink? Is there a change in colour?).
5. Wash the rock and dish carefully. Put the rock back and test another.

Name of Rock	Did it react with acid? ✓ or X	Other observations