



## Be a Mineralogist

Learn to tell the difference between minerals with acid and scratch tests.

### What You Will Need

- Mineral Samples
- Vinegar
- Fork
- Magnifying Glass
- Notebook and Pen
- Dropper



### Instructions:

- Make three columns with the headings 'Sample', 'Fizz', 'Powder' to record your observations.
- Take the first sample, and using a dropper, add a drop of vinegar on it.
- With the help of a magnifying glass, observe the reaction. Does the sample fizz? Make note of this.
- Next, use a fork to scratch the surface. Is the mineral too hard? Or do you see powder?
- If there is powder, drop vinegar on the powder and check to see if there is fizz.

### Explanation

- Minerals that are carbonate will fizz. These include marble and limestone.
- If the rock is hard, it could be an igneous rock like granite. Sedimentary rocks are softer.