

HOME/SCHOOL CONNECTION

Investigation 1: Soils and Weathering

Explain to members of your family how you tested rocks to find out which ones react with acid rain. Explain that rocks are made of various mineral ingredients. The mineral calcite, an ingredient in many rocks, is the mineral that reacts with acid rain.

Take a short walk with your family. See if you can find five or six rocks to test for calcite.

Test the rocks by putting a few drops of vinegar on each rock. Record your findings in the table below. **Safety note: Be careful using vinegar.**

Do not test special rocks, such as fancy crystals or valuable rocks. The vinegar could change their appearance and lessen their value.

Rock location	Test results