

Name _____ Date _____



Hard Rock Café *Rock Properties Data Sheet #2*



1. Measure the weight of your rock specimens using a balance scale.

Rock #1 _____

Rock #2 _____

2. Find the volume of your rock specimens by measuring how much water is displaced when each rock is submerged in a container of water. (Remember Archimedes in the bath tub!) First fill a graduated container with water to a depth that will cover the first rock. Record how high the water is. Carefully place your rock in the water. Record where the water level is now. Subtract the difference between the two measurements to find the volume of your first rock. Repeat the same procedure for your second rock.

Ending water level	Beginning water level	Difference
Rock #1 _____	minus _____	equals _____
Rock #2 _____	minus _____	equals _____

3. To see if your rock specimens contain limestone, scratch them against each other, then put a few drops of vinegar on the scratched surface. Observe closely with a hand lens. If you see tiny bubbles, your rock contains limestone. Write your results below.

Rock #1 _____

Rock #2 _____

4. Choose a rock or mineral to learn more about. Use library books, encyclopedias, the Internet, and classroom resources to gather information. Write your information below and on the back of this sheet.
