

# **TYPES OF WEATHERING**

## **STUDENT SHEET**

**MECHANICAL WEATHERING** -- Write down your observations for the three rock types after rubbing them together for one minute.

1. Granite -

Sandstone -

Marble -

Which rock weathered the most in one minute? How did you know?

2. Type of rock used:

Describe the differences in the rocks and liquid at the end of the experiment.

Control (not shaken) –

Shaken 100 times –

Shaken 1000 times –

3. What happened to the rock edges during the water weathering process?

4. Which type of rock weathered in the water the most? Which was more resistant to weathering? Explain.

5. Why do we have potholes in our roads throughout the winter months?

6. What do you see happening to your rocks in the vinegar cups? How does chemical weathering occur in nature?

7. How does erosion affect the soil on the side of a river or stream?

8. If you have a steep hill in your yard, how could you slow down erosion on that hill?