

Name: \_\_\_\_\_

### Rock Project - A Local Rock Collection

1. Collect at least 5 rock samples locally. The samples should be approximately fist size.
2. Identify each sample for its rock type (ie igneous, sedimentary, metamorphic) and explain why you chose that type. Also try to name it (ie granite, etc). Ensure that the name you choose is in the rock type category you chose (ie if you say a rock is granite you should have said the rock type is igneous).
3. Label each sample and provide a key in the written portion of your project to identify the sample by.
4. Split at least 2 of your samples using a hammer and chisel on pavement. You will be able to see a fresh face which will enable you to identify the rock (step 2 above) much more easily. **BE CAREFUL - USE GOGGLES! Put the rock in a sock before breaking it.**

Your samples must be in a box or sturdy bag labeled with your name on it. They will not be marked if they are loose. You may work in partners (no more).

Your project will be marked as follows:

- /2 5 fist size samples
- /5 5 labeled samples
- /2 at least 2 broken
- /5 rock type (ig, sed, meta)
- /5 rock name (granite, sandstone...)
- /5 reason for type/how formed
- /1 in box or bag

Total /25

Due Date: \_\_\_\_\_

Written portion should be set up as follows:

#### **Local Rock Collection**

<b>Sample #</b>	<b>Rock Type</b>	<b>Specific Name</b>	<b>Reason/ How Formed</b>
<b>1 (example)</b>	Igneous	Pumice	Frothy, floats, formed in volcanic eruption where bubbles got trapped
<b>2</b>			
<b>3</b>			
<b>4</b>			
<b>5</b>			