

## EARTH SCIENCE SHARE-A THON

Title: Classification of Information

submitted by: Peggy Lomaga. Longwood Junior High, Middle Island, NY 11953

Subject: Rock Classification

Materials needed: Earth Science Reference Table I pp 6 t 7

Teacher Procedure:

### **before class begins:**

1. Reproduce copy of first page of lab for each student to complete
2. Reproduce copy of rock statements. I have these Xeroxed on heavier paper and then cut the statements out and place them in an envelop.

### **during class: (30 minutes)**

1. give each student a copy of the handout and an envelop with the 40 statements.
2. students are to use their Reference table to sort the cards into three categories.
3. they record their data and answer the questions.

### **uses for this activity:**

1. introductory lesson to topic on Rocks. Use as inquiry-hands on lesson. In this way students become familiar with the Reference Table Charts on their own.
2. as a review for quiz or test
3. assessment tool after lesson on rock cycle and/or rock identification labs.
4. devise similar statement cards for other topics, ex: erosional features from glaciers, rivers, wind; galaxy types; star types; planets; seismic waves.

Name \_\_\_\_\_

Date \_\_\_\_\_

## Classification of Information

**Introduction:** Classification is a useful skill that finds its way into many aspects of our lives. You find examples of classification when you go to the grocery store, library, or music store. Items are grouped in categories so that you can find them easily.

The skill of classification is also helpful when preparing for a test. When you classify information, you organize it in a meaningful way. This helps you understand and remember the information.

This topic on rocks contained a lot of information. The information can be put into a list of statements. A list of forty statements about rock characteristics have been prepared for you and placed onto separate cards. Read each statement. Then classify each one by placing the statement into one of the three rock categories.

### Observations and Classification of Rock Statements:

Rock Type	Statement # Numbers
Igneous	
Sedimentary	
Metamorphic	

Questions:

1. On what basis are rocks classified into three categories?
2. How did you decide on which statements went into each category?
3. Which would you rather study for a test: the statements as listed, or the classified statements? Why?
4. For each rock type, list at least five major characteristics?