

## **Sand Sorting Activity**

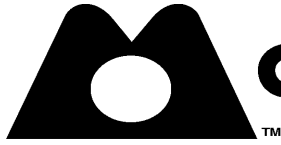
You will need:

- Bags of sand
- Egg cartons
- Small magnets
- Toothpicks
- Magnifying glasses
- Samples of rocks
- Glue

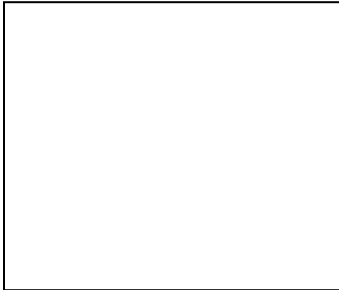
### **Activity:**

1. Students should have a basic understanding of the rock cycle and weathering before attempting this lab activity.
2. Distribute the materials to each team (2 - 4 students).
3. Instruct them to sort their sand into groups based on color, luster, shape, etc. Allow several short periods over 2 - 3 days for sorting.
4. After the students have sorted their sand into groups, challenge them to identify their finds by comparing them to the sample rocks provided as well as the descriptions provided on the Sand Hunt worksheet.
5. Once they have identified the groups, provide glue to adhere the samples to the Sand Hunt worksheet. They should also glue a "pile" of sand in the middle of the page.

Sand Sorting Worksheet attached

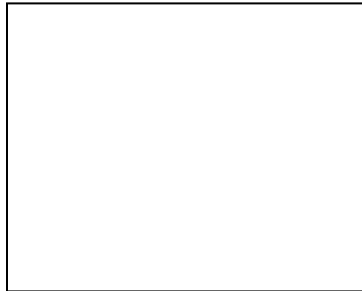


**Sand Sorting Worksheet**



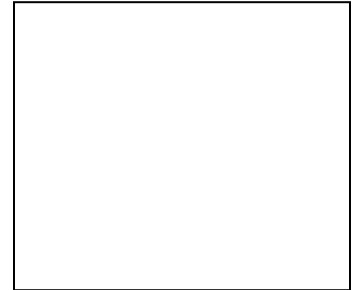
**Slate**

Tiny, flat crystals; not shiny; colors range from black to gray



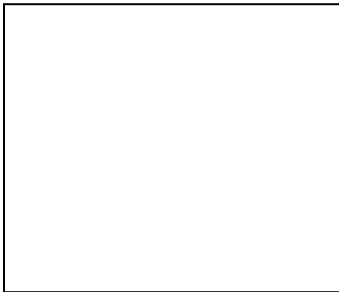
**Quartz**

Shiny pieces; variety of colors; resembles glass



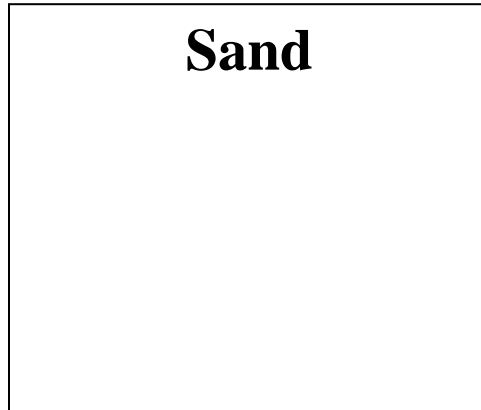
**Granite**

Large crystals of more than 1 color; several types of minerals

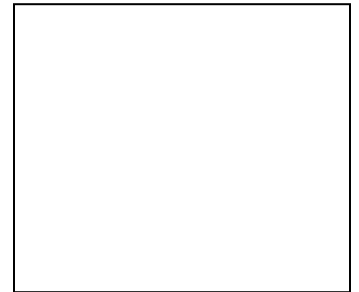


**Mica**

Small thin sheets or flakes; shiny; colors are clear to dark



**Sand**



**Feldspar**

Small flat or jagged pieces; not shiny; milky white to beige



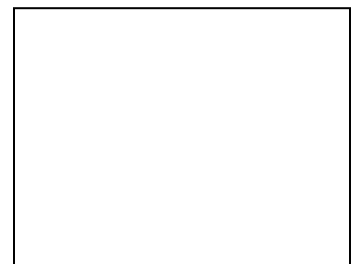
**Magnetite**

Rounded pebbles; black or brown; magnetic



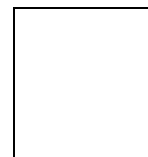
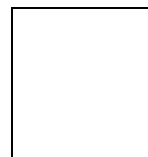
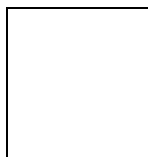
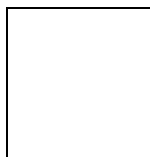
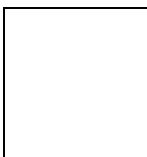
**Limestone**

Small pieces; dull; white to light brown color



**Organic Material**

Remains of dead plants and animals



**Other Unknown Materials**