

Group Observations



Before

A large, empty rectangular box with a black border, intended for writing observations before an activity.

After

A large, empty rectangular box with a black border, intended for writing observations after an activity.

Water Erosion

Task Card 1



Place several pebbles and the rock inside the sand pan...on top of the sand.

Water Erosion

Task Card 2



As a group, record observations of sand's surface on the Before section of the Group Observations form.

Water Erosion

Task Card 3



Hold cup with hole in it over sand pan and pour water through it.

Water Erosion

Task Card 4



Make observations about changes and record these in the After section of the Group Observations form.

Wind Erosion

Task Card 1



Make observations about the sand surface and record these observations in the Before section of the Group Observations form.

Wind Erosion

Task Card 2



Put on safety goggles. Using the small fan, allow it to blow on the surface of the sand. Note changes in the surface of the sand pan. Record these in the After section of the Group Observations form.

Wind Erosion

Task Card 3



Use the larger fan, allow it to blow on the surface. Note changes in the surface of the pan and record the observations in the surface in the After section of the Group Observations form.

Task Card



Task Card



Task Card



Ice Erosion

Task Card 1



Place lump of clay in a loosely formed ball or oval inside the shallow pan.

Ice Erosion

Task Card 2



Remove the ice chunk from the baggie and place it inside the pan.

Ice Erosion

Task Card 3



Push several small pebbles into the clay ball....gently.

Ice Erosion

Task Card 4



Make observations and record them in the Before section of the Group Observations form.

Ice Erosion

Task Card 5



Using the ice chunk, drag it across the surface of the clay ball.

Ice Erosion

Task Card 6



Make observation of changes in the clay surface and record these in the After section of the Group Observations form.



Change Agents

Planning Sheet

Group
Members _____

Description of product:

Explain the type of project your group is going to present. Tell how each group member will contribute to the group and explain the role that she/he will play in presenting the product.

Materials needed:

I agree to the above plan.

Student signatures

1. _____
2. _____
3. _____
4. _____

Teacher Signature

Information Manager Rubric

| Criteria | 2 points | 1 point |
|--|---------------------------|-------------------------|
| Identifies two processes that shape the Earth: erosion, weathering | Identifies two of two | Identifies one of two |
| List three change agents: wind, water, ice | Identifies three of three | Identifies two of three |

Cooperative Workers Checklist

| | All of the time | Most of the time | Some of the time | Needs improvement |
|----------------------|-----------------|------------------|------------------|-------------------|
| On task | | | | |
| Everyone contributes | | | | |
| Inside voices | | | | |