

GLACIER GOO

In this activity, glacier goo is used to demonstrate how glaciers move!

This activity was adapted from the Michigan Rocks: Impact of Glaciers Program from the Indian Springs Metropark Environmental Discovery Center at the Huron-Clinton Metroparks. Permission given by Jill Martin, C.I.G.

To make the glacier goo, you'll need a few ingredients: 1 cup Elmer's glue, 2 teaspoons Borax powder, and 2 cups warm water. You'll also need some measuring cups and two containers to mix. This recipe makes quite a bit of goo, so if you are making this at home feel free to halve or quarter the recipe.

Procedure:

- Make the glue mixture by mixing 1 cup warm water and 1 cup Elmer's white glue. Mix until it has a milky consistency.
- In a different container, make the borax solution by mixing 2 teaspoons Borax powder and 1 cup warm water. Stir until dissolved.
- Combine the borax mixture and the glue mixture. Stir until a glob is formed, then knead the mixture for 2-3 minutes to incorporate the remaining liquid.

GLACIER GOO

In this activity, glacier goo is used to demonstrate how glaciers move!

With your glacier goo, try and find a way to make the goo act like a solid and like a liquid!

- If you let the glacier goo sit in the palm of your hand or on an uneven surface, the goo, like a glacier, will start to flow like a liquid as gravity pulls it downward.
- If you add high stress or pressure, like a sudden pull or other quick motion, the goo will act like a solid and break.

Experiment with how your glacier goo moves on different surfaces (make sure you ask your teacher or adult which surfaces are okay for you to use, and make sure you clean up any mess once you are finished!). Does the goo move faster on some surfaces compared to others? Try experimenting with more or less of an incline. What do you notice?