

Build an ice core

Construct your own ice core to share how we study glaciers with friends!

Materials:

- 1 Pringles can
- Food coloring
- Ruler
- Water
- Dirt or coffee grounds

Procedure:

1. Pour a 3 oz./100ml layer of clear water into the bottom of the Pringles can. Place two drops of blue food coloring in the water. This represents an average winter snowfall.
2. Place the Pringles can in the freezer upright and allow to freeze solid. This will take several hours to freeze.
3. Once the first layer is frozen, pour a layer of water about 1.5oz/50ml. This represents an average summer snowfall. Place in the freezer and allow to freeze solid.
4. Continue to create alternating layers of blue and clear water. Feel free to pour some layers thicker than others to represent a high snowfall year. Or alternatively, you can pour thinner layers to represent years with less snowfall. Just make sure to mark down the amounts what you chose to do and be prepared to explain your reasoning. Have fun with your explanations!
5. To have a layer that represents a volcanic eruption, sprinkle a little dirt or coffee grounds to the water before freezing.
6. Create as many layers as you can to fill the Pringles can.
7. Share your cores and explanations with friends!