

Ice Balloons Science Experiment

Supplies needed:

- 7" balloon
- Liquid food colouring

HOW TO MAKE ICE BALLOONS

Ice balloons are a lot of fun to play with in the snow. But you can make them any time of year in the freezer as well.

- Place the end of a 7" balloon over your faucet.
- Fill with cold water until it is full about 3" in diameter.
- Pull the end from the faucet and hold it open.
- Drop a couple of drops of liquid food coloring into the water in the balloon.
- Tie the balloon and give it a few shakes to mix the color in.
- If it is below freezing outside you can place the balloon in the snow overnight.
- Or place the ice balloons in your freezer for 12 hours.



Check on the ice balloons a few times in the freezer to make sure they are freezing evenly without a flat side from sitting on top of items in the freezer.

Once frozen solid, peel away the balloon. You could play hide and seek with the ice in the snow. Have one person bury in the snow with just a very slight amount of colour sticking out and the other person must locate them. Use your imagination and have fun!



More experiment ideas

If you want to experiment with different freezing temperatures, try making different balloons and putting them in different places. Put one in the freezer, one in the snow and one outside but not in the snow (maybe a covered porch).

Take temperatures in each location and time how long it takes each ice balloon to freeze.

You could also put the ice balls into a bowl and time how long it takes for them to return to its previous liquid state.