

3 Make SNOW globes

Create the perfect Christmas gift.

What you need

- Clear globes
- Christmas toys
- Glue or hot glue gun
- Biodegradable glitter
- Water
- Glycerine

How does it work?

The glitter in your snow globe swirls and falls slowly – like snow in a blizzard – because the liquid is thicker than water. Viscosity is a measure of how easily a liquid flows. Water has a low viscosity, but syrup is much stickier. When you mix glycerine and water the viscosity of the water increases, making the glitter “snowflakes” move more slowly. Experiment with using more or less glycerine, and with different types of “snow”. How does it affect the behaviour of the particles?

WARNING!

Ask an adult for help if using a hot glue gun.



1 Glue the base of your toy to the lid of the clear globe. A hot glue gun works best, but ask an adult for help with this part.



2 Add a teaspoon of biodegradable glitter to the empty snow globe. Then add water until the globe is about three-quarters full.



3 Next, add glycerine until the liquid is level with the top of the container. Screw the lid on tightly and give the globe a good shake to mix.

