

No. 50

Let's Observe Snow Fall



You will observe snow fall using grains of salt in PET bottle.



Point

Saturate water with salt



Materials



- Water (200g)
- Salt (80g)
- 100% Alcohol (40ml)
- Clear PET bottle (500ml)



✂It is better if you have extra bottle for dissolving salt.

Preparation for the experiment

1

Cut the PET bottle as shown in the photo.
✂In class, it is better to use cylinder.



2

Mix water (200g) and salt.

3

Put it in extra PET bottle and shake well. Then, make the water saturated by salt.



At the bottom, you can see

undissolved salt.

Let's try

- 1 Pour saturated saline (saltwater) solution in the cut PET bottle.



- 2 Pour the alcohol slowly.

- 3 Observe for few minutes.



Spot a light at the bottom of the bottle



This experiment used square box and spot the incandescent lamp at the bottom.

💡 Information

- 💠 When we say saturated saline solution, it means that the water is already at limit in dissolving salt. So, even after mixing thoroughly, you can still see undissolved salt.
- 💠 When alcohol is put in saturated saline solution, the alcohol with salt float.
- 💠 Alcohol easily dissolves in water. So the salt that couldn't melt anymore appears as the grain that's identical to snow fall.
- 💠 Don't drink used liquid. You can buy alcohol in the drug store.