

WATER CYCLE DEMONSTRATION

<https://scoutermom.com/122/water-cycle-demonstration/>

Materials

- Large clear bowl
- Small clear bowl
- One cup hot water
- Oven mitts
- Salt
- Plastic wrap
- Ice

Instructions

1. Pour the hot water in the large bowl. (Use oven mitts for safety.)
2. Add a few shakes of salt.
3. Put the smaller bowl in the large bowl. It should sit in the water, but the water should not overflow into it. The salt water is the ocean and the small bowl is the land.
4. Have the scouts look at the steam. Talk about how this is an example of evaporation.
5. Cover the large bowl completely with plastic wrap. This represents the clouds.
6. Place the ice on top of the plastic wrap, positioned over the small bowl. This is the cold atmosphere above the clouds.
7. Have the scouts observe the droplets forming on the plastic wrap. Talk about how this is an example of condensation.
8. Let it sit for about 10 minutes. Then remove the plastic wrap.
9. Have the scouts observe how some of the water dripped from the plastic wrap into the small bowl. Talk about how this is an example of precipitation.

After doing this demonstration, have them draw the water cycle on a piece of paper and remind them about the three processes (evaporation, condensation, and precipitation).