­­­­­­­­**Purpose**: Experience under what conditions a cloud is formed.

# Making fog

**Vocabulary:** hairspray, mirror, ice cubes, water, glass, liquid soap, hot, cold, cloud



Be careful with the hot water! Do not point the hairspray toward anybody's face!

**Material:**

* hairspray
* ice cubes/snow
* hot water
* glass jar with lid
* small mirror
* liquid soap

**Procedure (part 1):**

1. Pour hot water into the jar.
2. Put the lid upside down over the jar.
3. Put some snow or ice cubes on top of the lid.
4. Count to five.
5. Take the lid off for a very short time, put hairspray inside the jar and quickly put on the lid again.
6. Count to three and take the lid off. You made a cloud!



**Procedure (part 2):**

1. Draw something on the mirror with the liquid soap and draw the same in the first square.
2. What do you think might happen when you put the mirror with the soap drawing into the cloudy jar? Please note that the water still has to be inside the jar.
3. Hold the mirror inside the jar for a couple of seconds. What do you see on the mirror?
4. In the second square, draw the mirror in the jar.
5. In the third square, draw how the mirror looks after it has been in the jar.