



Girls LAUNCH provide girls and women of all ages with interactive experiences and intimate conversations with female aerospace professionals to boost interest in the unlimited opportunities in aerospace at a young age. This STEMbook activity, resources, and more are available at www.obap.org/girls-launch.

In this activity, you will: Simulate the conditions needed to create fog in your kitchen.

Supplies Required: All Students

Glass Jar
Strainer
Water
Ice Cubes

Video

Fog in a jar instructions: <https://youtu.be/fJU3oB2G6vvU>

Overview

Fog shows up when water vapor, or water in its gaseous form, condenses. During condensation, molecules of water vapor combine to make tiny liquid water droplets that hang in the air. You can see fog because of these tiny water droplets. Water vapor, a gas, is invisible. Fog happens when it's very, very humid. There has to be a lot of water vapor in the air for fog to form. Make your own fog in a jar.

Instructions

1. Fill up the jar completely with hot water for about a minute.
2. Pour out almost all the water, but leave about one inch in the jar.
3. Put the strainer over the top of the jar.
4. Place a few (3-4) ice cubes in the strainer.
5. Watch what happens!

Additional Resources

- 1 Weatherwizkids.com
- 2 Nationalgeographic.org



www.obap.org