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Raven Hill Discovery Center is a 501(c)(3) tax-exempt corporation.

Mission: Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

Air Pressure

Safety is important in this experiment, so do this with adult supervision. **Matches are needed.**

Put a small plate on the table. Add a small amount of colored water (or plain water) to the plate, less than $\frac{1}{4}$ cup. Put a birthday or tea (warming) candle in center of plate in the water. Light the candle and wait a few minutes to make sure it is burning well. Set a **GLASS** jar or drinking glass over the candle and watch carefully.

Explanation: Air pressure pushes down on the water with a pressure of 14.7 pounds per square inch. The candle uses up the oxygen in the air, inside the jar, so there is less air pressure there. When the candle goes out, all the oxygen is used up and the water is pushed up into the jar by the greater air pressure outside the glass.



1. Gather materials



2. Pour water on small plate



3. Put glass over candle



4. watch

Remember, do this with an adult. Be safe. Have fun and always clean up, when you are done experimenting.