

Carbon Dioxide and the Candle

Instructions

Materials:

Candle

Candle adhesive (Stick-Um brand)

Beaker

Matches

Alka-seltzer tablet

Set Up:

1. Place a dab of the wax from the Stick-Um container to the center of the inverted beaker. This serves to elevate and secure the candle.
2. Any candle holder will work.

Demo Procedure:

1. Drop a tablet of the Alka-Seltzer into a beaker of water.
2. Observe the rapid bubbling and foaming action as the CO₂ gas is released.
3. Light the candle.
4. Pour the CO₂ gas carefully over the candle flame, do not let any of the liquid or foam drip out of the beaker.
5. Observe how quickly the candle flame is extinguished.