

# VR Science Lab

## Candle experiment

You need to make sure not to burn yourself.  
You can paint water for more visible result.

**Age of students: 16 - 17**

In this experiment we will see how candle flames until we cover it with glass

**The experiment consists of:**

1. Candle
2. Glass cup
3. Water
4. Plate and a lighter a a candle

**Preparation time: 15 min**

**Teaching time: 30 min**

**Steps on how to perform this experiment:**

- § Pour water onto the plate
- § Place candle on top of water.
- § Light the candle up.
- § Put the glass on top of the candle.

**There are two different effects: chemical and physical. Chemical- oxygen and paraffin react. The burning produce water and carbon dioxide. Because twice as much oxygen is burned than carbon dioxide released, the air volume decreases.**

**Physical:**

**The candle heats the air and expands it.**

**This cancels the depletion of the oxygen temporarily and the water level stays down.**

**When the oxygen is depleted, the candle goes out and the air cools.**

**The volume of the air decreases and the water rises.**

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**SCAN ME**

