

DATE:

ATMOSPHERIC PRESSURE

DESCRIPTION:

What happens when you place a **water balloon** on the mouth of a bottle with a **flame burning** inside? Watch and learn as we experiment together. Explore concepts such as **atmospheric pressure**, and **combustion chemistry** by manipulating gases and air.

MATERIALS:

Name and **draw** the materials we use in this lab practice:

PROCEDURE:

- Fill the **balloon** with water. (Put the balloon onto a tap and fill it until it is slightly bigger than the mouth of the jar or bottle.)
- Light a **half-tissue** while holding the tissue with tongs.
- Stuff the tissue into the **bottle** and quickly put the water-balloon on top.
- The balloon should be **pushed** into the bottle.

QUESTIONS:

Explain (in a whole sentence) ...

- **What** happened?
- **Why** did it happen?

MATERIALS:

Name and **draw** the materials we use in this lab practice:



PROCEDURE:

- Place the **candle** on top of the clay in the shallow dish.
- Pour some **water** onto a plate.
- **Light** the candle and quickly place the **inverted glass** over it.

QUESTIONS:

Explain (in a whole sentence) ...

- **What** happened?
- **Why** did it happen?