BALANCING ACT EXPERIMENT

October 25, 2018

Objective

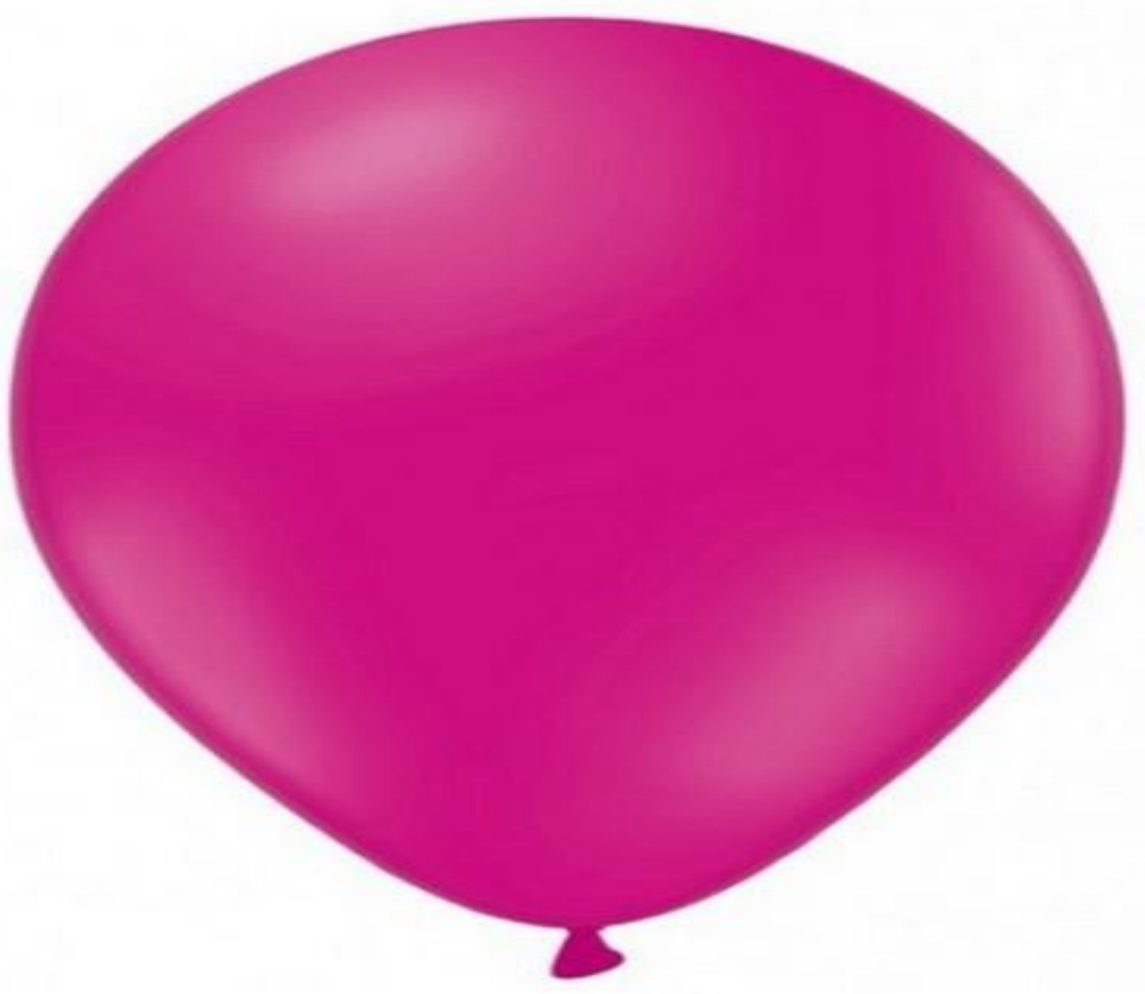
The **objective** of this experiment is to understand that:

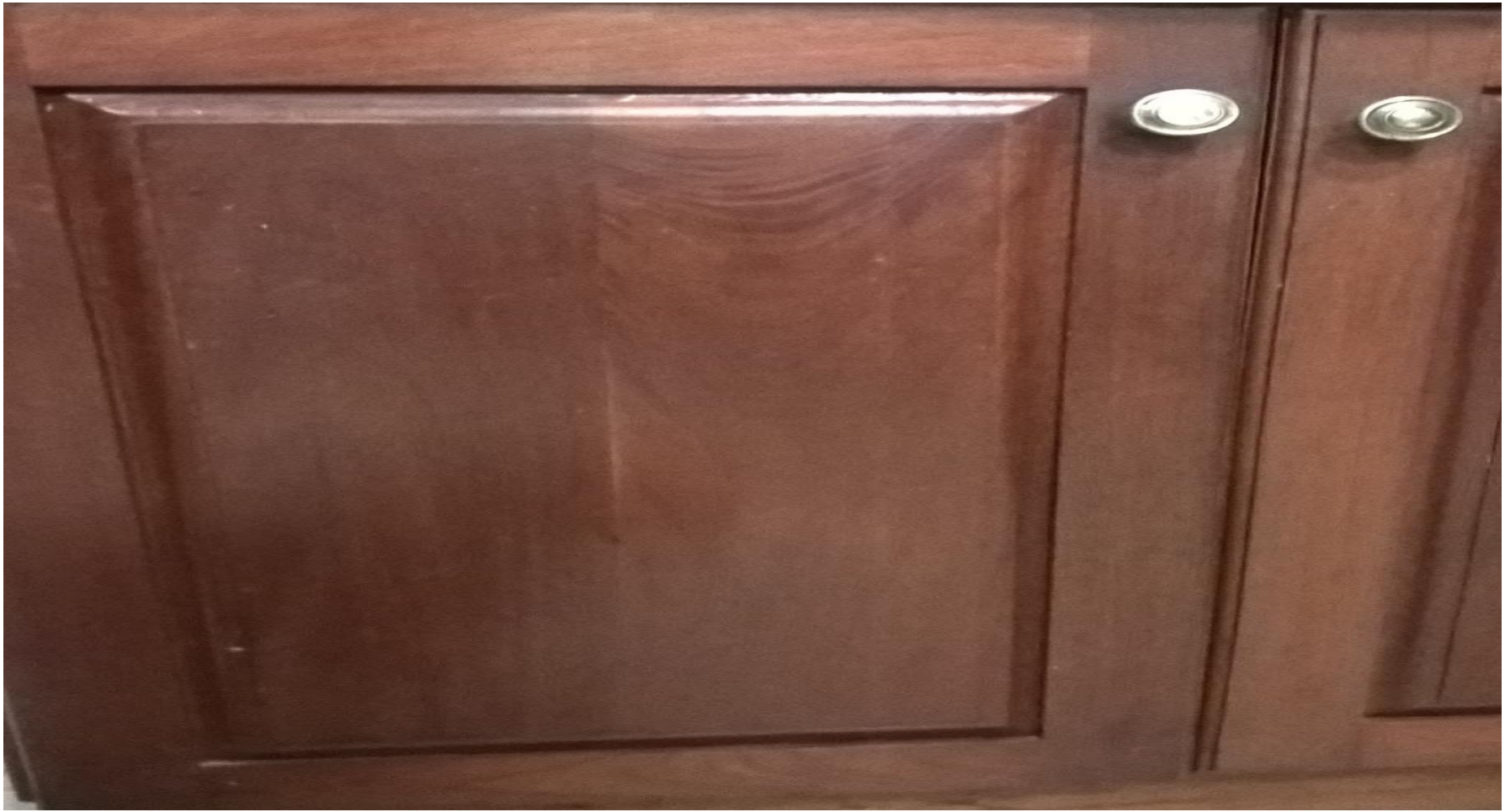
1. **Air is matter**.
2. **Matter takes up space** (so therefore, air must be able to take up space).

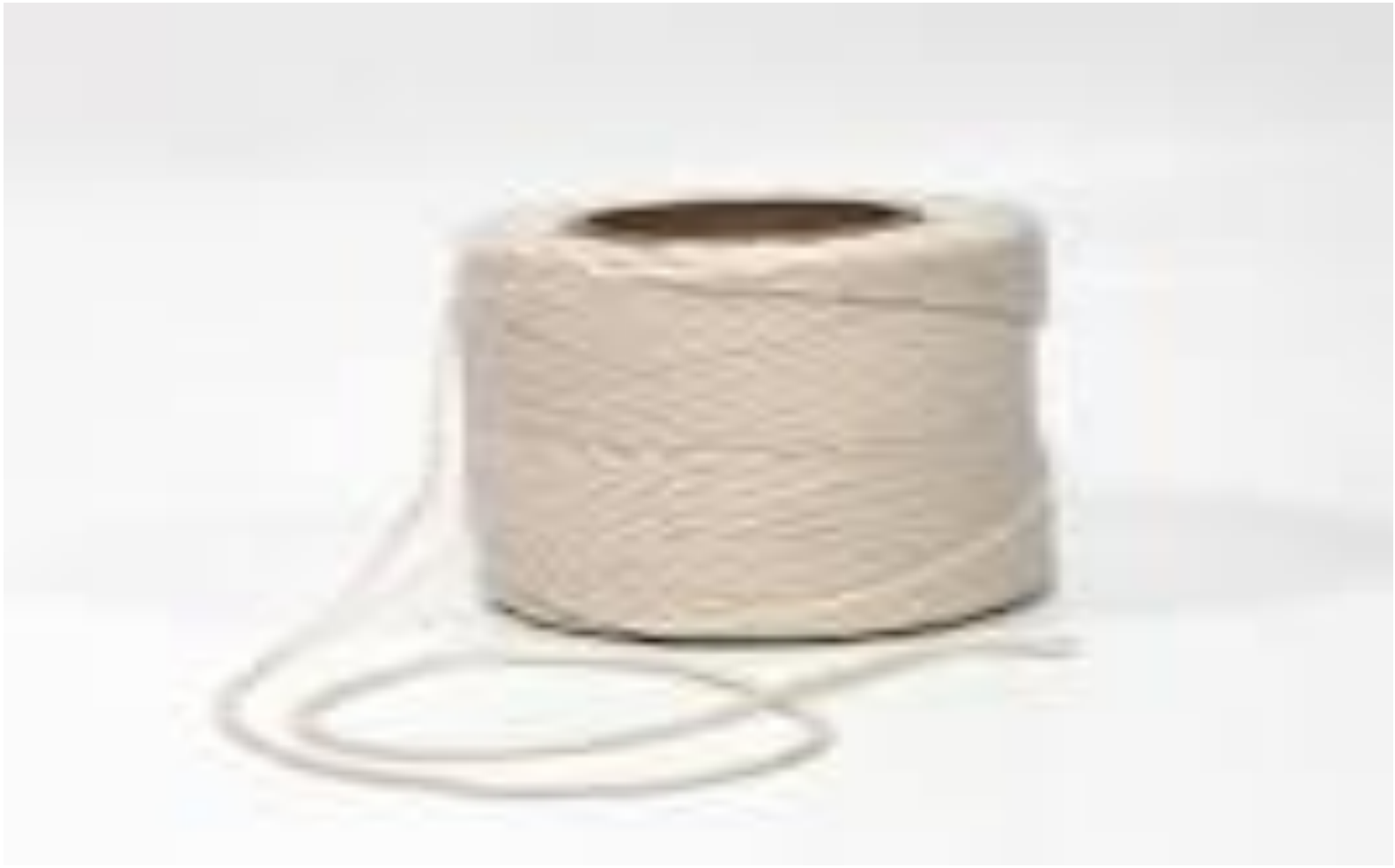
Materials

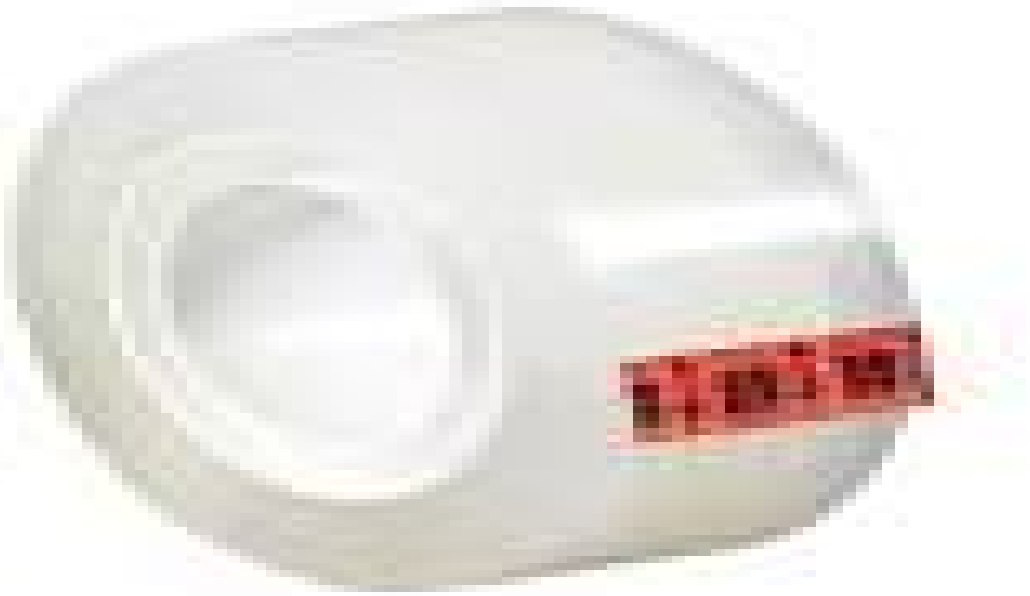
The **materials** I used for this experiment were:

- 2 balloons
- A cupboard
- A string
- A stick
- 2 pieces of tape.



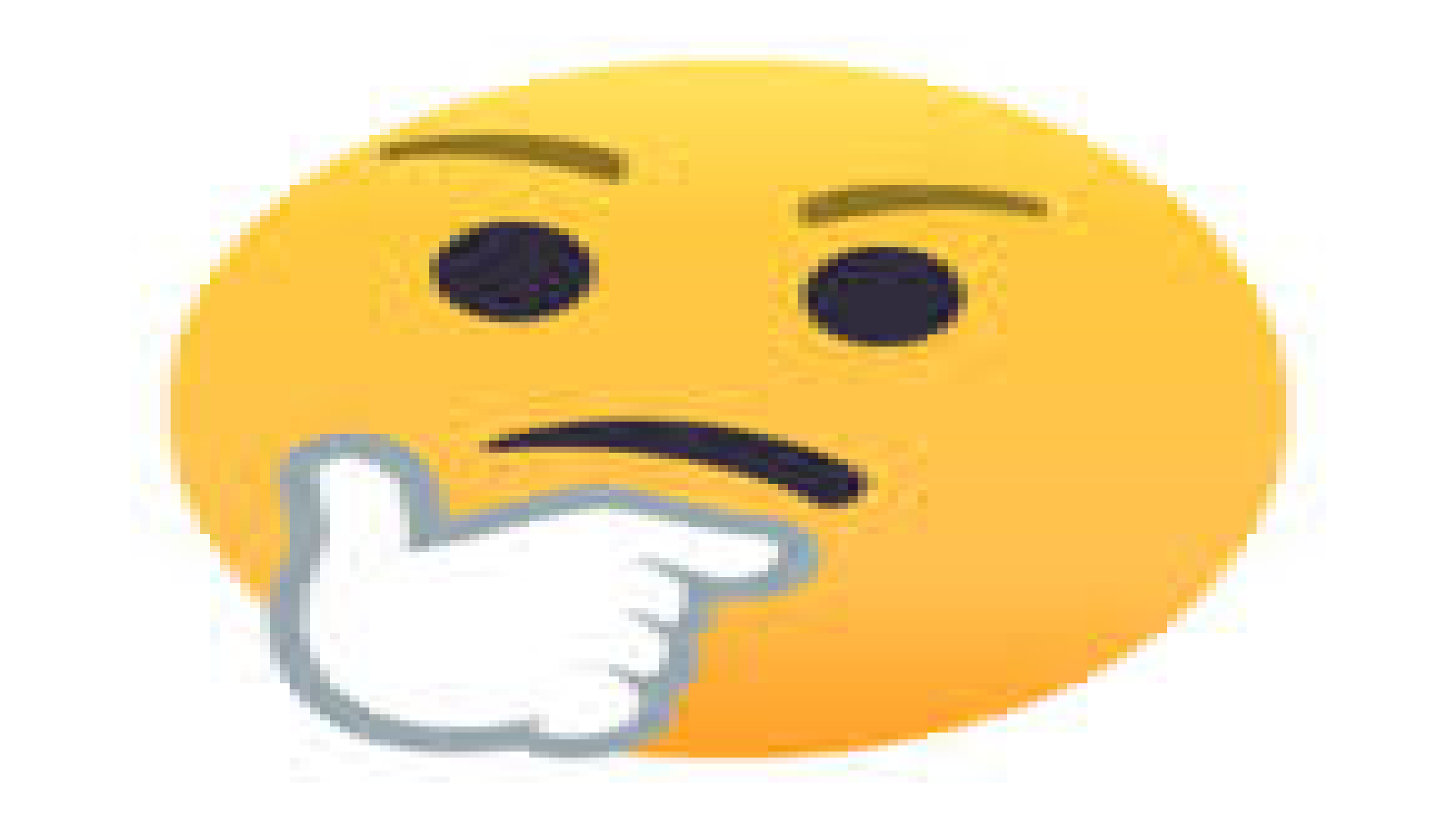






Problem

The **problem** was finding a way to tell that **air has weight**.



Prediction

My prediction was that **air has mass**. So like **all things that have mass, air can be measured on a scale**.

Procedure

1. I tied the string **around the middle** of the metre stick.
2. Then **tied the other end** of the string to **my cupboard handle**, so the stick could swing freely.
3. I **moved the string** in the **middle of the stick** until it balanced.
4. Then I **taped the deflated balloon** to one end of the stick.
5. I **blew up the second balloon (pretty big)**, and taped it to the other end of the stick.

My findings

By doing this experiment, I have found that:

- **Air is matter**
- **Air takes up space**
- **Air can be compressed into a balloon**.
- **Air can be measured** on a scale.

Conclusion

In conclusion, **air has mass (weight)**.

Actual Experiment