

Activity: A Balancing Act

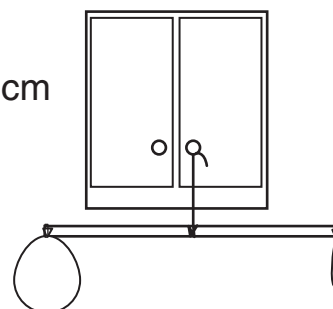
Problem: How can you demonstrate that air has weight?

Hypothesis/Prediction:

Materials:

- a cupboard or ledge to tie a string to
- two balloons, exactly the same size
- a metre stick
- one metre of string
- two pieces of tape, each exactly 5 cm

Diagram:



Procedure:

1. Tightly tie the string around the metre stick.
2. Tie the other end of the string to a cupboard handle so the stick swings freely.
3. Move the string along the metre stick until it is balanced.
4. Tape a deflated balloon to one end of the metre stick.
5. Blow a large amount of air into the other balloon and tie it shut and tape it to the other end of the metre stick.
6. See what happens to the balance.

Observations:

Inference/Conclusions:
