

Name:

Date:

STATES OF MATTER - gases

Activity 4

Let's investigate if the air that we breath can be weighed.

INVESTIGATING IF THE AIR THAT WE BREATH CAN BE WEIGHED

A.- OBJECTIVE:

- _____

B.- HYPOTHESIS:

- _____

C.- What can we do to find out if the air we breathe can be weighed? Draw your method.

Diagram	
EQUIPMENT	

Name:

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D.- Here you have another option to find out if the air weights. Follow the instructions below.

• You need:

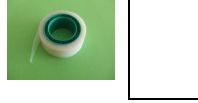
➤ A ruler



➤ Two balloons



➤ Adhesive tape



1. Take a ruler and stick a balloon at each end with adhesive tape.
2. Use one of your fingers to build a “set of scales”. Leave the centre of the ruler on your finger.
3. Remove one of the balloons, inflate it, make a knot and stick it in the same place that it was before.

Diagram

Can we weigh air? _____

How many grams or kilograms does the air in this balloon weigh? _____

E.- What can you do to know how many grams or kilograms do the air in this balloon weighs?

Diagram

How many grams or kilograms does the air in this balloon weigh? _____

Do you think your answer is correct? _____

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New diagram (if needed)

F.- CONCLUSIONS:



Activity 4

A.- - To find out

B.- - *I/We think the air that we breath can be weighed/can't be weighed.*

C.- - We need

- First we have to, then we have to and finally we have to

F.- - *Air can be weighed/can't be weighed.*