

Name:

Date:

STATES OF MATTER - gases

Activity 5

We will compare the weight of the air in your classroom with your weight.

A) What weighs more: you or the air in your classroom?

B) Follow the instructions below.

• You need:

➤ A measuring tape



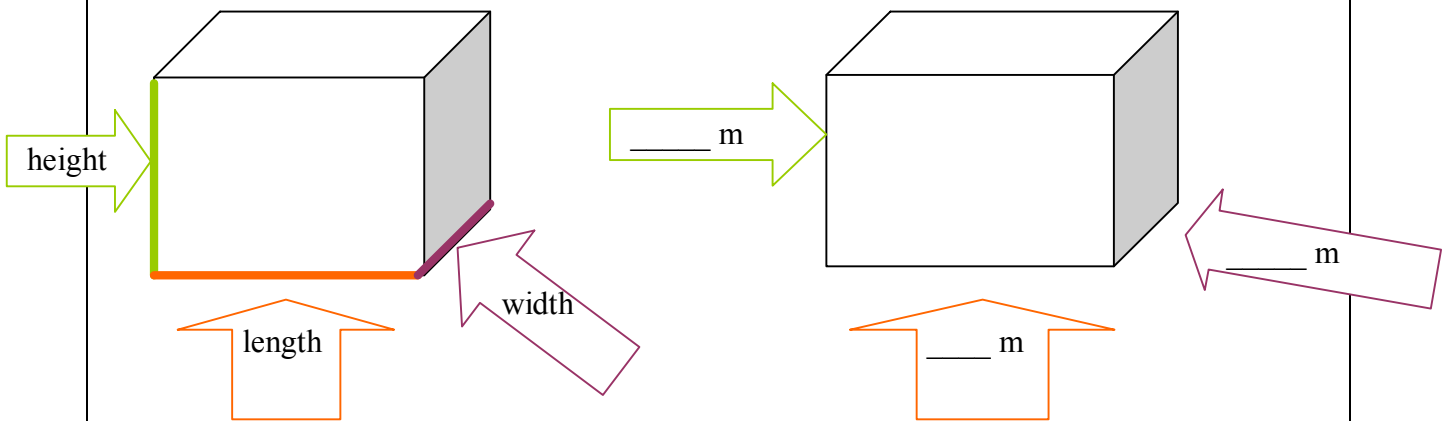
➤ Bathroom scales



Measure the volume of your classroom in cubic metres. The formula is

VOLUME = width x length x height

COMPLETE



VOLUME	=	width	x	length	x	height	
VOLUME	=	___ m	x	___ m	x	___ m	= ___ m ³

The volume of air in the classroom is _____

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C) If one cubic metre of air weighs 1.2 kilograms. How many kilograms does the air in your classroom weigh?

D) Now weigh yourself:

I weigh _____

E) What weighs more: you or the air in your classroom?



Activity 5

A.- - I think that *I weigh/the air in my classroom weighs* more than *the air in my classroom/me*.

C.- - The air in my classroom weighs (*number*) kilograms.

E.- - *I weigh/The air in my classroom weighs* more than *the air in my classroom/me*.