

Parts of a syringe:

This is a syringe. Today we are going to use some syringes to carry out our experiments on gases.

Barrel Tip Barrel Plunger

GASES EXPAND

HYPOTHESIS: order the words and write a hypothesis:

occupy space. Gases all available	
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EXPERIMENTING WITH AIR / CEIP La Viña

EXPERIMENT / Make an air propelled rocket

Materials: a syringe, an air compressor, a plastic tube.

Attach one end of the plastic tube to the air compressor and the other to the tip of the syringe. Connect the air compressor

What happens?

CONCLUSIONS: Is the hypothesis correct?

CAN GASES BE COMPRESSED?

HYPOTHESIS: Write a hypothesis about gases and its shape.

EXPERIMENT / Compressing a gas

Materials: A syringe

Fill the barrel of the syringe with 10ml of air. Cover the tip with one finger and press the plunger as much as you can? Write the volume of air: _____

Has the mass of the air changed?

Has the volume of the air changed?

CONCLUSIONS: Is the hypothesis correct?

Did you know?

When air is compressed, it increases it pressure and exerts a force against its container.