

Observa el siguiente instructivo sobre un experimento de figuras con energía estática. Relaciona los «post its» con la sección del instructivo que corresponda (representados por los puntos negros).

## Static-powered figures

This shows in an orderly and detailed manner how to do the experiment.

This gives additional information about what the experiment proves.

This lists the things needed for doing the experiment.

### MATERIALS

- \* Tissue paper
- \* One balloon
- \* Scissors
- \* Hair (preferably your own or other person's, you may use animal hair, provided you don't **harhandle** the animal)

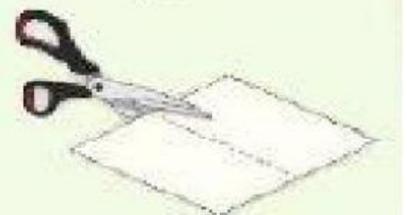
### PROCEDURE

- 1 Draw a figure on the tissue. If it's a 2-ply tissue, you should separate them carefully, so you don't tear them.
- 2 Cut the figure and place it on an even surface.
- 3 Inflate the balloon and tie it off.
- 4 Rub the hair quickly on the balloon for at least 10 seconds (be careful, because it may burst).
- 5 Slowly move the balloon close to the tissue figure. If the balloon has been charged with enough static electricity, the figure will float towards it. With some practice, you may even make the figure dance.

**Tip:** Well-charged, the balloon can move the tissue figure from several centimeters away.

### Why does the figure float towards the balloon?

When you rub the hair against the balloon, negatively-charged electrons gather on the balloon's outer surface. These electrons have enough electrical charge to attract light, positively-charged objects, such as figure made of tissue.



## Oil and Water Experiment.

Add the missing words to the instructions below.

What you'll need:

- Measuring cylinder
- Water
- Food colouring
- 2 tablespoons of cooking oil
- Goggles
- Dropper
- Gloves

....., put your.....on so that you don't get anything in your eyes and some..... on so that your hands don't get dirty. ....you need to add a few droplets of food colouring, using the....., to the water. .... two tablespoons of the coloured water, along with the two tablespoons of cooking oil, into the measuring cylinder. .... put a lid on the measuring cylinder and shake the mixture. .... put the bottle back down and have a look. Has the oil mixed with the water?

Finally

goggles

gloves

First

Next

Dropper

Pour

Then