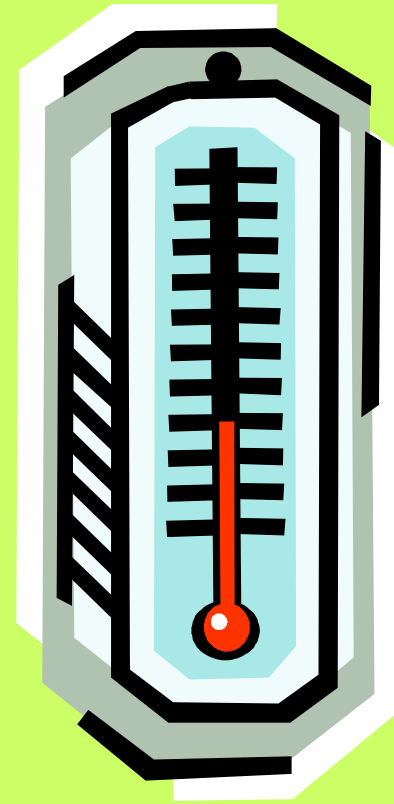


# Measuring temperature

Amparo Sánchez del Casal  
CEIP Dolors Almeda  
(Cornellà de Ll.)

How do we measure  
temperature?

Using a  
**thermometer.**



Let's make a  
**thermometer!**



# What do we need?

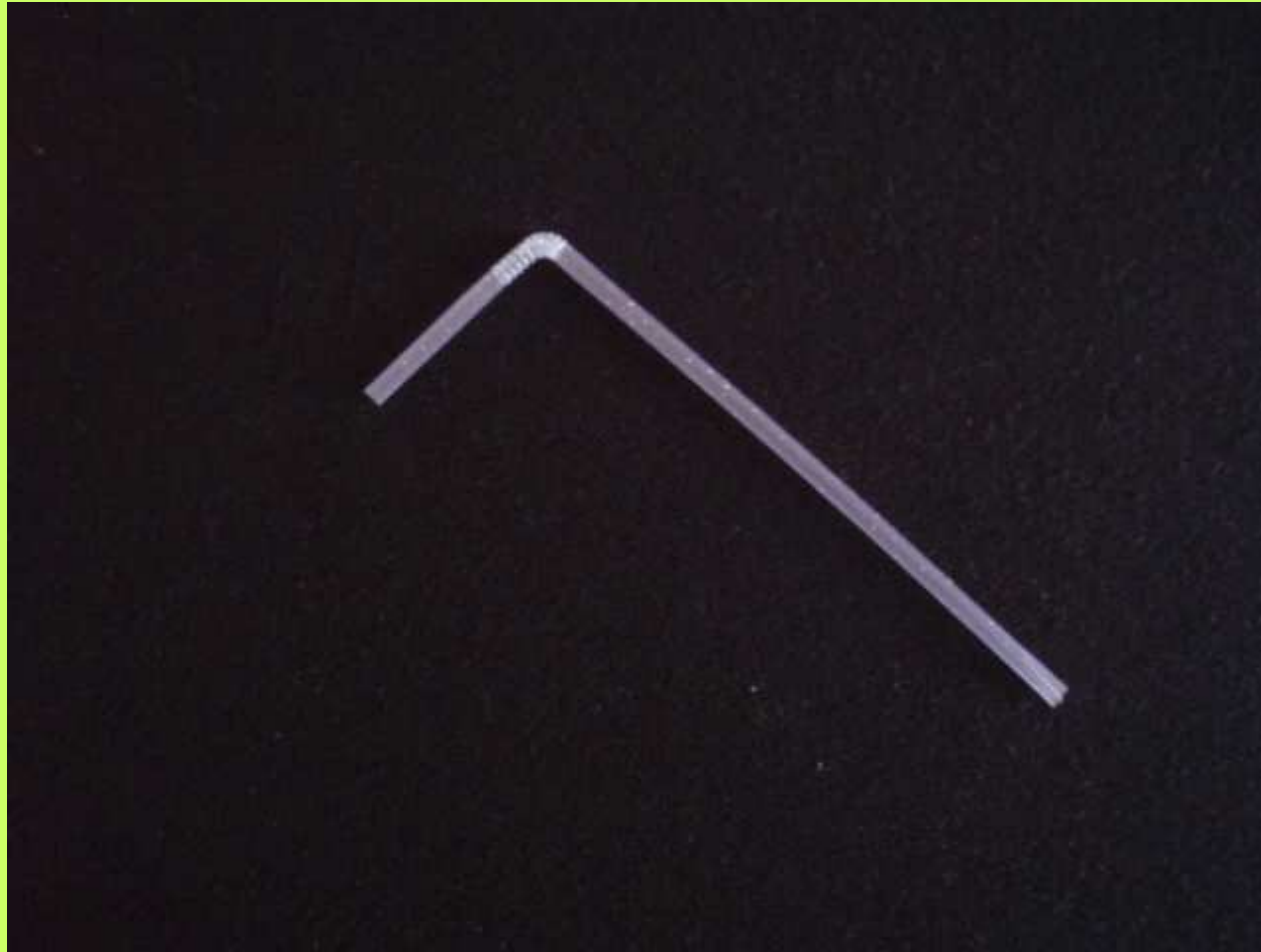


A small **bottle** of water with a hole  
in the lid.



hole

# A transparent straw



# Clay



# Ink





# Water



# A hairdryer



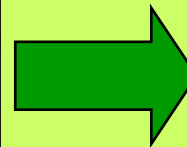
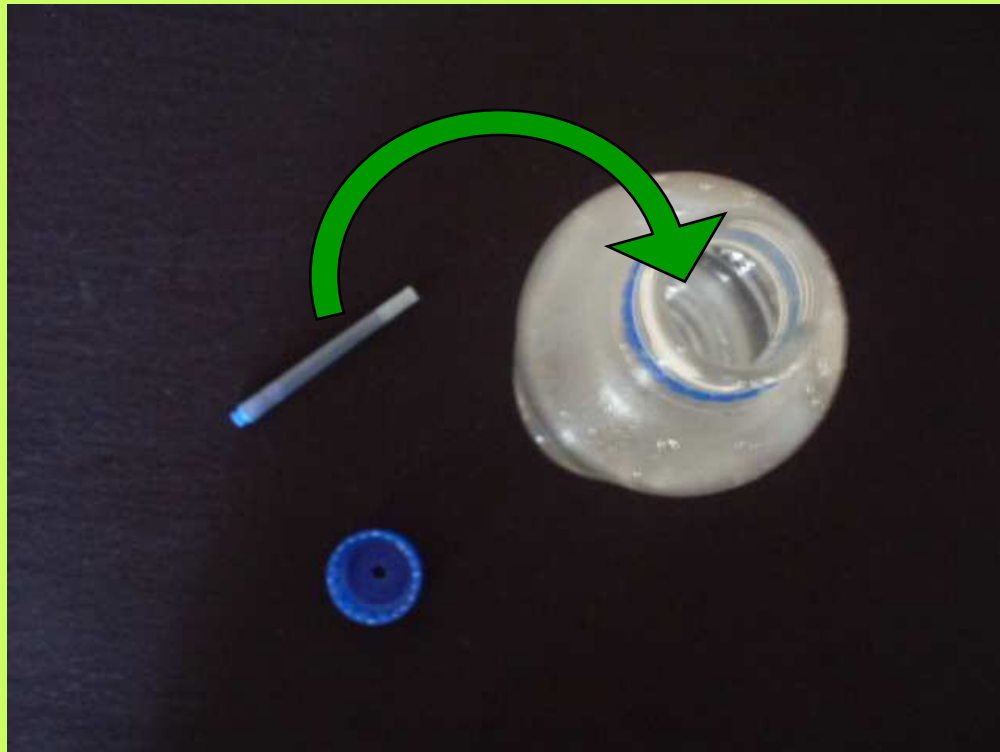
A bowl with **iced water**.



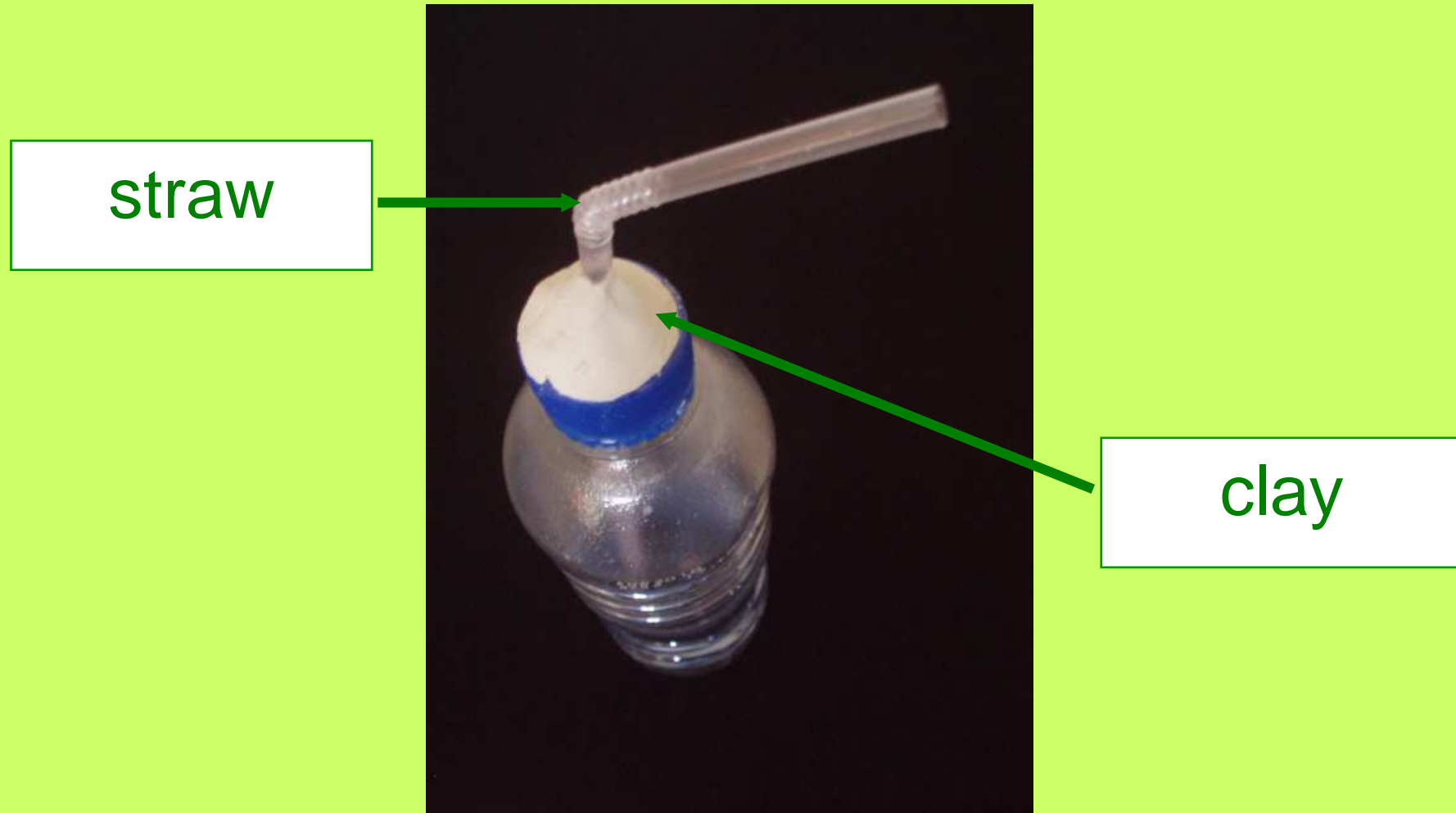
Fill the bottle (halfway) with water.



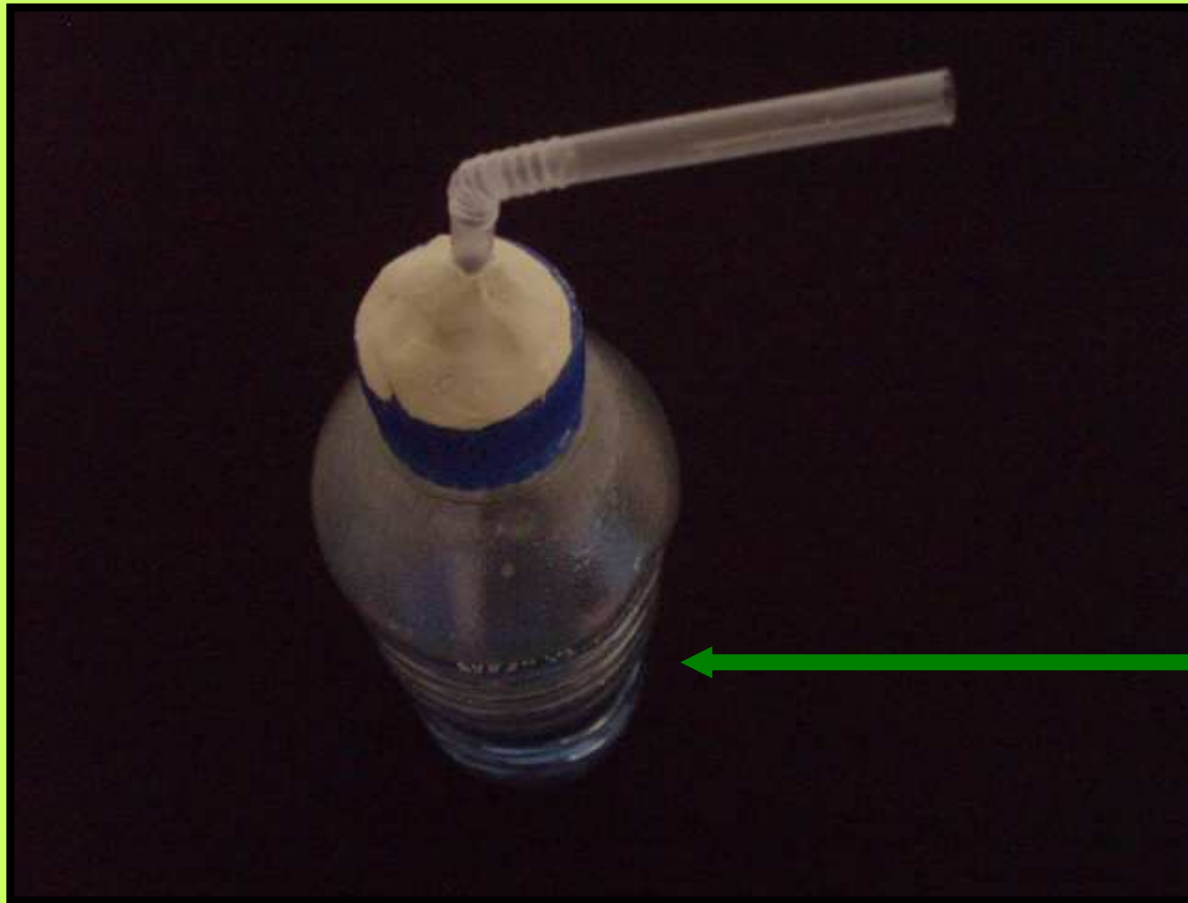
Add a few drops of ink.



Put the straw through the hole and  
clay around it.



Mark the **line** the water rises to in the bottle.



Blow hot air on the bottle.





Then cool the bottle.

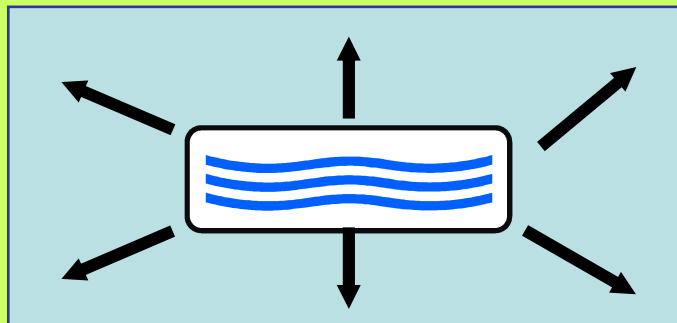


# What happens?

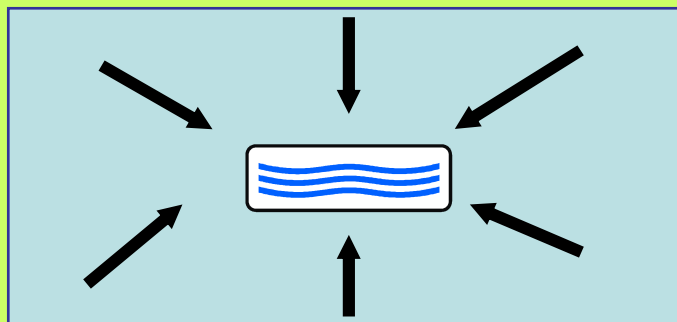


# Liquids...

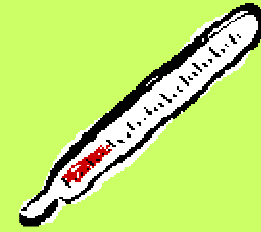
- Expand when they are heated.



- Contract when they are cooled.



# The mercury...



- ... is the liquid in the thermometer.
- ... contracts when it is in contact with something colder than it is.
- ... expands when it is in contact with something warmer than it is.