WATER EXPERIMENT

APPARATUS

Today we are using:

- ✓ *Two cups*
- ✓ *Water*
- ✓ *String*
- ✓ *Food colouring*

METHOD

1. First, cut a 2 feet long segment of the string.
2. Then, fill one cup about halfway with water.
3. Next, soak the string in the water for 10 seconds or until it is soaked through.
4. After that, put one end of the string into the cup with water and hold the other end above the empty cup.
5. Finally hold the cup with water up in the air, using your index finger to keep the string in place on the rim as you tilt it towards the empty cup below.

DOES ANYBODY WANT TO HELP ME CONDUCT THE EXPERIMENT?

PREDICTION

WHAT IS A PREDICTION?

What have you seen?

https://www.stevespanglerscience.com/lab/experiments/traveling-water-sick-science/

OUR RESULTS:

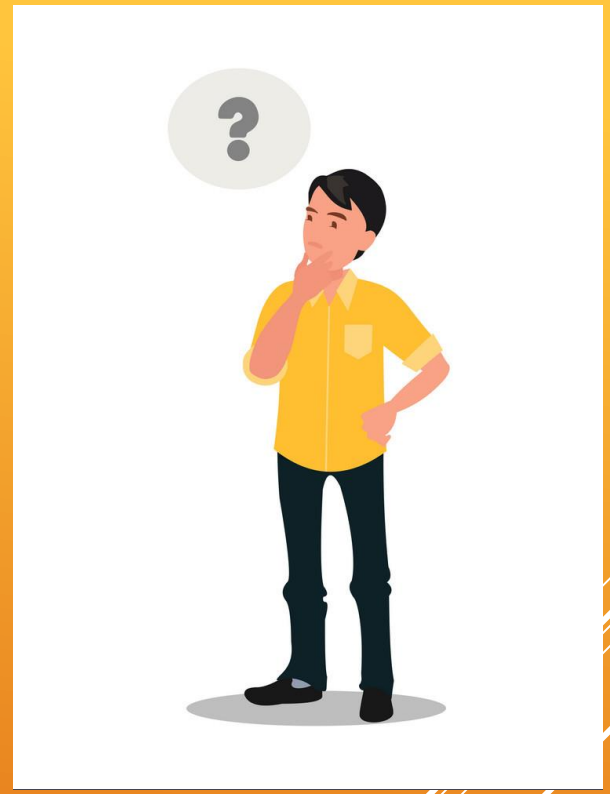
We found that the water clung to the damp string, causing it to travel down the string and into the other cup without falling off.

CONCLUSION

What is a conclusion?

What did you notice happening?

Who wants to have a go at explaining WHY this happens?



THE SCIENTIFIC EXPLANATION…

A drop of water is made up of millions of molecules that are all held together by bonds.

These bonds allow the water molecules to stick to each other and move down the string into the bottom cup.

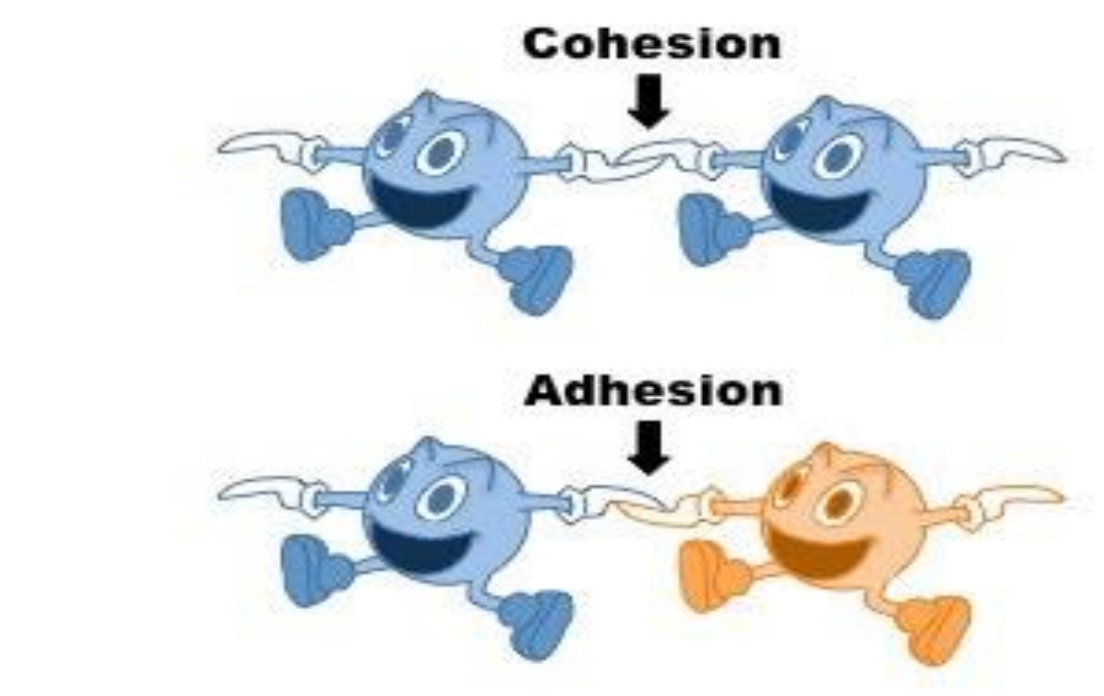
This is called cohesion.

Water molecules can also stick to other materials too.

You moistened the string to help the water molecules stick to the string.

This is called adhesion.

Who can tell me what cohesion and adhesion are?



THANK YOU FOR WATCHING!

Now it's time to look at the school website

and see some of the experiments that you can try!

As well as this, because it's Science Week, there will be access to a live camera showing the ducklings as well!

https://www.gardensuburbjunior.co.uk/page/?title=Science&pid=330