



# Understanding the World

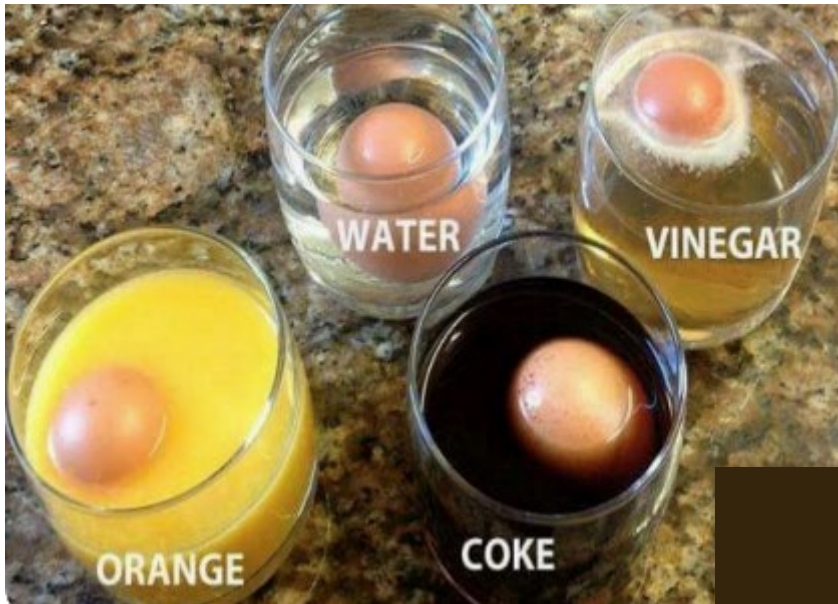
# Dissolving, Expanding And Bouncing Egg Science Experiment

Activity:

Place one egg in each glass, and line the glasses next to each other.

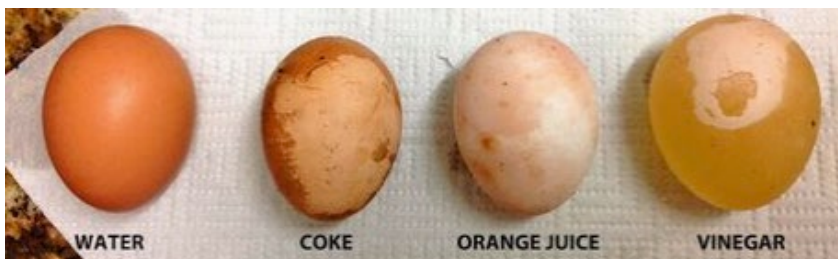
- In glass 1 pour the water, look at the egg and see if it sinking or floating.
- In glass 2 pour the fresh juice, look at the egg and see if it floating or sinking. Look closely and see if the egg is changing colour.
- In glass 3 pour the fizzy drink, when pouring the drink look at the egg and see if it is bouncing in the glass.
- In glass 4 pour the vinegar, look closely at the egg and see if its changing colour.

Remember always to ask for help from an adult.



Resources:

- 4 Eggs
- Water
- Orange or any fresh juice
- Coke or any fizzy drink
- Vinegar
- 4 Glasses



# Cabbage Experiment

- Take Celery or Cabbage and slice a stalk halfway up the middle.
- 2) Place in two clear containers close together.
- Add a few drops of food coloring in one jar
- And then add another colour in the other jar
- Add water to the jars to fill about halfway
- Wait about 8 hours and observe the difference!
  
- Plants use little tubes to transport water from where they have it (the ground, usually) to where they need it (in their leaves, where it is "breathed out" through little pores called stomata. These tubes are called Xylem.
  
- When we place the bottom of the cut stem in dyed water, the leaf continues to breathe out water through the stomata, and that acts like sucking pressure on the straw-like tubes of the xylem, so the dyed water is drawn up through the leaf.

And Remember always get an adult to help you.



# Washing Up Liquid Experiment

What you need:

Washing up liquid  
corn starch

For a twist on the standard kitchen science experiment of adding water to cornstarch, add some dish soap instead. You can experiment by tweaking the ratio of soap to corn starch to get the texture you want.

And remember always to have help from an adult.



# Rainbow Experiment



What you need:

- Bicarbonate of soda
- vinegar
- a container
- a drop of washing up liquid
- food colouring (optional)

The secret is to add a little washing up liquid to the vinegar before you mix them together. If you want to re-create this rainbow effect just add different food colouring's too!

And remember always to get an adult to help you.