

Thursday 15th July 2021

WALT: Conduct fair test

Vocabulary:

solution
solute
solvent
dissolve
soluble
insoluble
hypothesis
fair test

Prior learning:

What does it mean to be a scientist?

What is an **independent variable** ?

I am a scientist...

I want to **explain** the world around me.

I **question** everything.

How?

What?

Why?



I make a **prediction**.

I **investigate** then use what I find out to **explain**.

I **change my mind** after finding things out.

Learning Journey

3. Plan, write
and edit/revise
a scientific
report

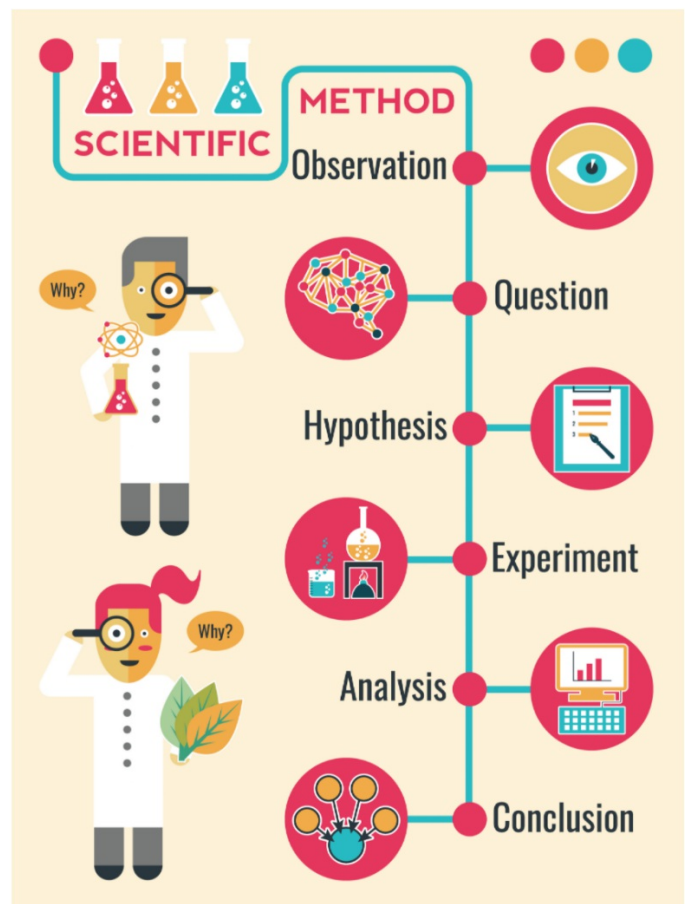


1. Plan a new
fair test by
changing an
independent
variable

2. Conduct a fair
test and record
the results

We have planned our new investigation by changing our **independent variable** .

Today we will be doing the experiment and recording our results



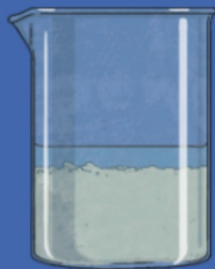
What equipment do you need for the experiment?



We will mix each material with water.
If the material does dissolve, the water will be transparent. It may have changed colour but will be see through. You will not see the particles of solid any more.

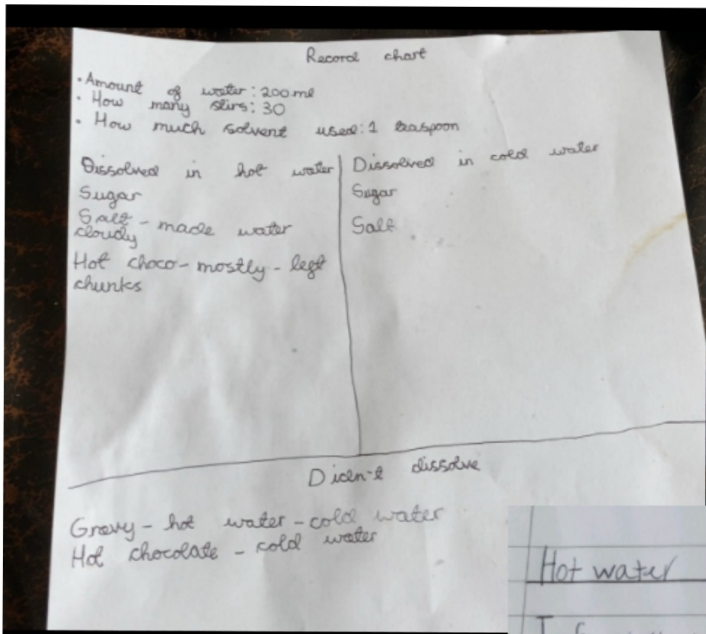


If the material does not dissolve, you will still see the particles of the solid in the water.



Record your results →
here

Title of experiment:	
Purpose/Introduction:	
Hypothesis	
Materials	
Method	
Results	
Discussion	
Conclusion	



Here are some examples of recording information during the experiment from orange class

Hot water	Cold water
I found that the sugar dissolved much quicker in warm water.	The water that was cold did dissolve the sugar at a much slower rate.
There was a lot less sugar in the hot water cup.	There was twice as much sugar at the bottom of the cold water glass.

After you've conducted your experiment you can complete the discussion and conclusion portion of your plan.

How has changing the independent variable affected your results?

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