science

learning objective

experiment

observe | **reactions**

key words

water

colour

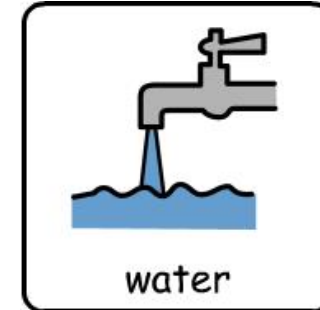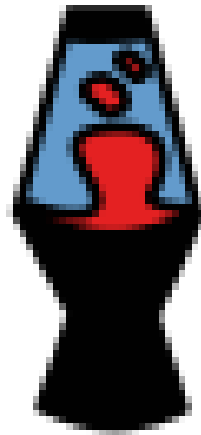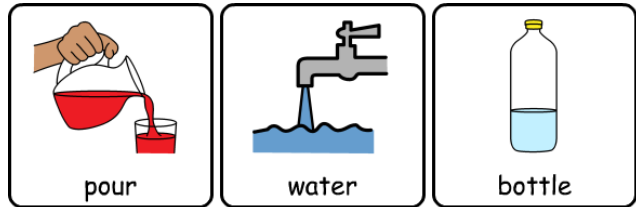**density**
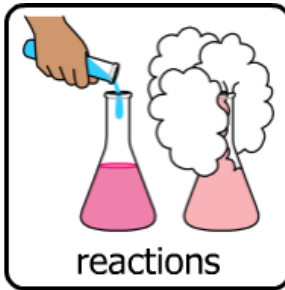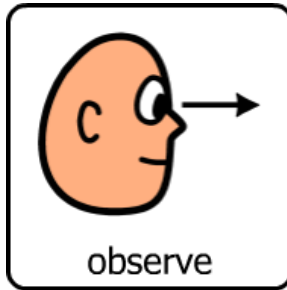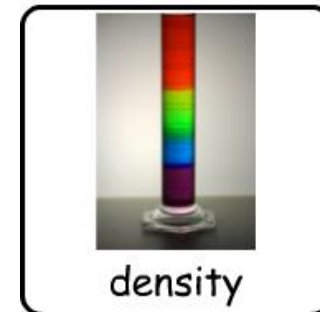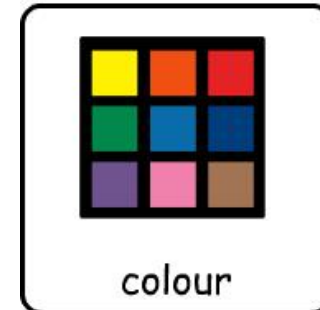
Experiment 1

lava lamp

You will need

- Empty bottle
- Cooking oil
- Water
- Alka-seltzer
- Food colouring
- Adults help

What you need to do

1   pour   water   bottle

2   add +   cooking oil   bottle

3   add +   food colouring   bottle

4   add +   alka seltzer   bottle

observe
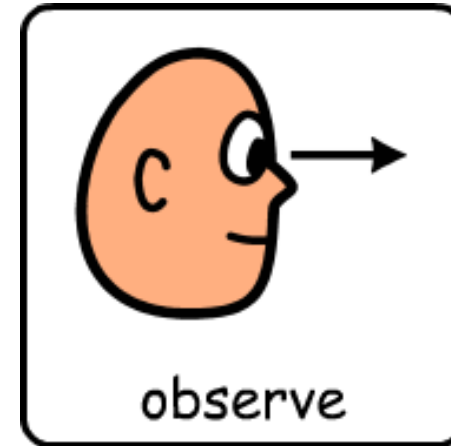
Adult note
The link below shows you how to do the experiment if you do not have alka seltzer.

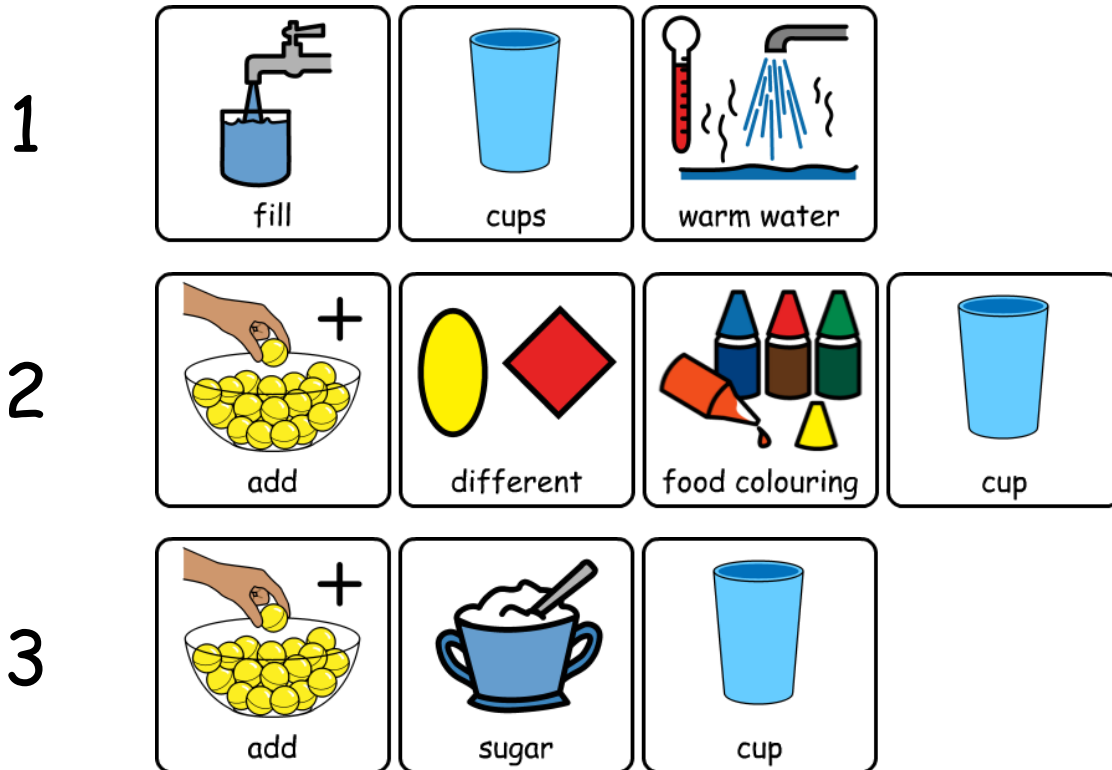https://www.youtube.com/watch?v=B9QdMaOlVrM

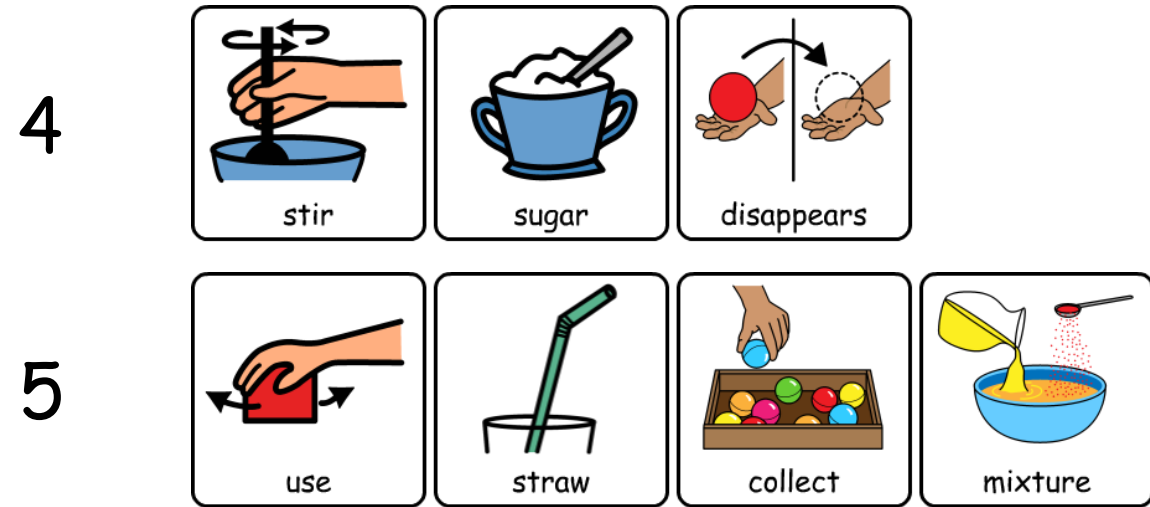# Experiment 2
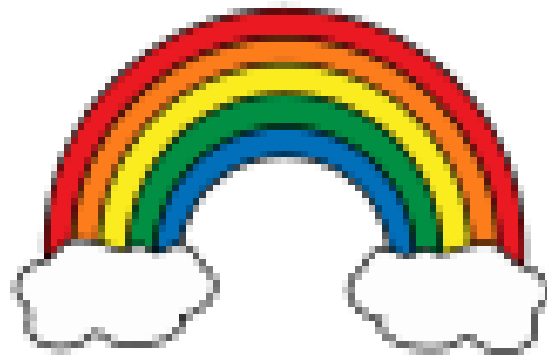
rainbow

You will need

- 3-6 clear plastic cups
- Warm water
- Sugar
- Food colouring (colours of the rainbow)
- Tea spoon
- Straw
- Pipette/turkey baster
- Adults help

What you need to do

1
fill | cups | warm water

2
add | different | food colouring | cup

3
add | sugar | cup

Adult note
1st cup = 1 sugar, 2nd cup = 2 sugars
3rd cup = 3 sugars 4th cup = 4 sugars
5th cup = 5 sugars, 6th cup = 6 sugars.
You can also double the amount in each
cup if you wish and have enough.

4
stir | sugar | disappears

5
use | straw | collect | mixture

Adult note
Start with the cup which has less
sugar in. The link below is a quick
video of the experiment.

https://www.youtube.com/watch?v=yh9HOU20QEk