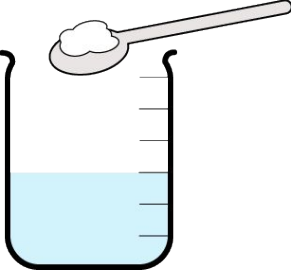
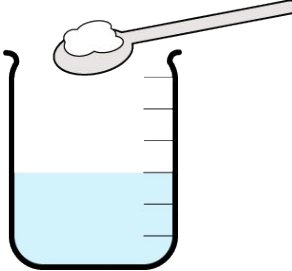
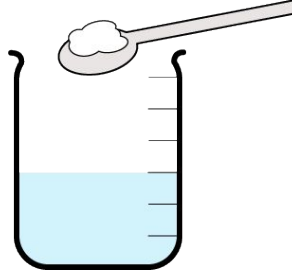
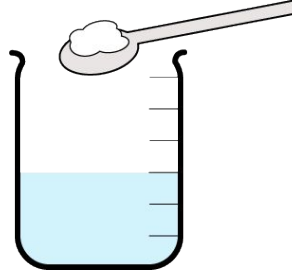


Date

Name

Properties and changes of materials

Some pupils mix together vinegar and bicarbonate of soda. They collect the product in a balloon and use string to measure the circumference of the balloons. They repeat the experiment using more bicarbonate of soda each time. Fill in the missing words.

			
One spoon of bicarbonate of soda is added to 100 ml of vinegar.	Two spoons of bicarbonate of soda is added to _____ ml of vinegar.	_____ spoons of bicarbonate of soda is added to _____ ml of vinegar.	_____ spoons of bicarbonate of soda is added to 100 ml of vinegar.

Question

Explain why there are bubbles when bicarbonate of soda and vinegar are mixed together.

Question

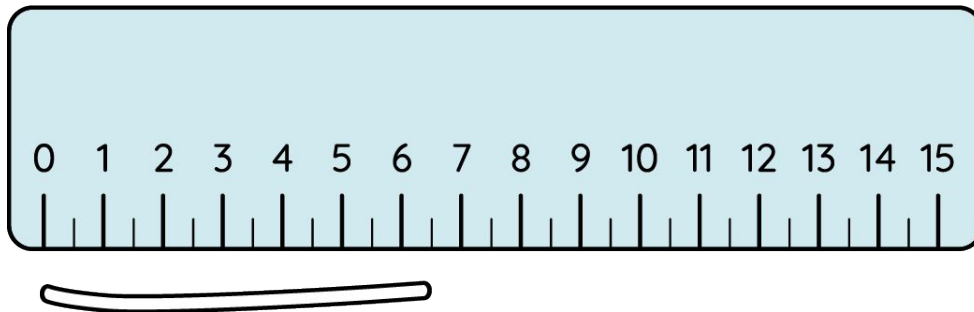
What variables should the pupils keep the same and why?

Results table

Number of spoons of bicarbonate of soda	Length of string (centimetres)
1	3.45
2	4.55
3	
4	7.12

Question

Measure the missing result using the diagram below and record it in the table.



Question

What can you conclude from the results?

Question

Explain what type of change has happened if they freeze any leftover vinegar.
