





Name: ..... Form: .....

Based on pages 16 and 17 of *Changing materials*

# Investigating the strength of an acid

Try this...

1. Set up four jars and label them A to D. Pour 120ml of water into jar A. Pour 60ml of water into jar B, and pour 30ml of water into jar C. Leave jar D empty.
2. Add a teaspoon of vinegar to each of the four jars.
3. Which jar has the most concentrated acid solution?  .....
4. Which jar has the most dilute acid solution?  .....
5. Predict what will happen when you add a quarter of a teaspoon of bicarbonate of soda to each jar. Write your prediction in the table.

Jar	Prediction	Result
A		
B		
C		
D		

6. Add a quarter of a teaspoon of bicarbonate of soda to each jar.
7. Stir each solution in turn.
8. Write down your results in the table.

**Looking at the results.**

9. What can you conclude from your results?



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