



Name: Form:

Based on pages 20 and 21 of *Keeping healthy*

Can an acid attack be stopped?

Try this...

1. Take two jars and put one teaspoon of vinegar in each one.
2. Add four teaspoons of water to each jar.
3. Add half a teaspoon of bicarbonate of soda to one jar. Record what you see.



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4. Stir the bicarbonate of soda and the vinegar. What happens to the surface of the liquid after a short time?



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5. Put some pieces of broken egg shell in each jar (two pieces about the size of postage stamps). Make sure that the shells are the outside up and that they are completely under the surface of the liquid.

6. Look at the surface of the egg shells with a magnifying glass. Write down what you see happening in each glass.



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7. Leave for ten minutes. Look in both glasses again and record what you see.



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Looking at the results.

8. Vinegar contains an acid. It attacks eggshell and dissolves it. When the acid attacks the eggshell, bubbles of gas are made all over the shell. Did the eggshells in both jars show signs of an acid attack?

Explain your answer.



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