



Make sure
this activity
has adult
supervision

ACTIVITY 10: BEE-COME A SCIENCE DETECTIVE

Resources

Watch this video to see the experiment in action:

<https://www.youtube.com/watch?v=PCTILdnT1bc>

Method

- 1 Chop 200 g of red cabbage
- 2 Add the cabbage to 400 mL of boiling water and wait for 15 minutes
- 3 Filter the cabbage out and keep the remaining liquid
- 4 Use the cabbage mixture to test the solutions on the next page and write down your answers!

The Science Bit

Acids and bases are all around us in daily life. In this experiment, we use a cabbage solution to find out which items in our kitchen are acids and which are bases. This is just one example of a detection kit. Whilst this kit can't detect American foulbrood, Professor Baillie's detection kit can!



The Bumbles of Honeywood is a set of books, activities, and merchandise to introduce children to important life skills such as entrepreneurial skills, creativity, teamwork, determination and self-confidence.
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Test Solutions

Lemon juice	_____
Vinegar	_____
Milk	_____
Egg whites	_____
Baking soda	_____

Learning Outcomes

- 1 Learners will develop an understanding of why detection kits are important
- 2 Learners will develop basic knowledge of acids and bases
- 3 Learners will ...

Test Solutions Answers

Lemon juice	DEEP PINK
Vinegar	LIGHT PINK
Milk	PALE PURPLE
Egg whites	GREEN/BLUE
Baking soda	BLUE



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Evaluation

Please leave some feedback about how you, and the children in your class, found the activity:



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