

# HOME CHEMISTRY

## SCIENCE BADGE SAMPLE ACTIVITY SHEET

This is a sample Home Chemistry Activity Sheet only. Its main purpose is to show you some of the interesting activities that you can do when you choose this badge. Also, you can use this sample sheet to start doing the badge activities, while your teacher is sending away for the full activity sheet and badge. If you have completed some of these activities before your full sheet arrives, your teacher can mark this sheet, then transfer the marks to the full activity sheet.

Rating		Exercises in Home Chemistry	Teacher's initials and date
4	***	A mixture of colours can be separated using paper chromatography. Cut a strip of paper towel 20 cm long and 2 cm wide. Place small dots of food colouring or water based felt pen 2 cm from the bottom. Suspend the strip in a glass with 1 cm of water in the bottom. Make sure the dots of colour are above the water level. Leave until the water has soaked 3/4 of the way up the strip. Remove the strip from the water and leave to dry. Mount your strip on a chart and label. Explain your results.	
8	*	Crush some barbeque charcoal to a powder. Shake a coloured liquid such as cordial with the charcoal and then filter. Write a brief report on the results.	
10	*	Find out what electrolysis is and write a brief report. Submerge a 9 volt battery upright in a glass containing water and 1 ½ teaspoons of salt. Report what occurs and offer an explanation.	
13	*	Find out and report on how you could distinguish between sugar and salt without tasting them.	
17	**	Bake scones using a basic recipe. Make a change to the recipe that you think might improve them, and then bake them again. Write a report on what you did and the results. Provide samples for your teacher..	

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