



**Chemistry Department - Additional Science  
Key Stage Four**

**NAME:** \_\_\_\_\_

**Topic 8: Water**

<b>Use traffic lights to assess what you know now, and again at the end of this topic</b>	<b>Start</b>	<b>End</b>
1) I can describe the treatment of the public water supply and can explain		
2) I can draw and interpret solubility curves using given data on change of solubility with temperature		
3) I know the causes of hardness in water		
4) I can distinguish between hard and soft water		
5) I can plan and carry out an experiment to measure the type and amount of hardness using soap solution		
6) I know how boiling, adding sodium carbonate and ion exchange can soften water and know the advantages and disadvantages of each method		
7 I can evaluate the advantages and disadvantages of soft and hard water		

Your teacher will read through the above statements with you, and elaborate on them slightly. Use the following key to colour the boxes to show how confident you are with your knowledge and understanding at the start of the unit. Hopefully when you revisit the sheet on the completion of the unit you will have made significant progress!

**Green** - I fully understand and could explain this to other people with ease.

**Amber** - I can remember some of this, but not enough to fully explain it.

**Red** - I do not understand this at all, or have never heard of it.

