1. Describe a chemical test for water. Name the compound used and describe the colour change Cobalt (II) chloride Blue >> Pirk.  Copper(II) Sulfate White >> Blue	
2. Describe how you would prove that a sample of water is pure.	(3)
The boiling point should be 1000	
	(1)
3. Explain why distilled water is used in practical chemistry rather that tap water.	
Because it contains less Chemical	(1)
4. Name one useful substance found in water from natural sources.	
5. Explain why nitrates and phosphates can be harmful in water.	(1)
5. Explain why nitrates and phosphates can be harmful in water. They lead to deoxygenation of water	
and harm aquatic life	(2)
6. a) What process is used to remove solids during water treatment?	
Sedimentation or filtration	(1)
b) How are tastes and odours (smells) removed during water treatment?	
Using carbon	(1)
c) What is chlorine used for during water treatment?	
to kill bacteria and Microbes	(1)
7. a) Write the chemical formula of ammonium sulphate.	
(NH4)2504	(1)
b) Why can ammonium sulphate be a useful fertilizer?	
Due to it's nitrogen content	(1)
c) Why can't ammonium sulphate be described as an NPK fertilizer?	
it doesn't contain phosphorus	(1)
8. Which gas is the most abundant (the highest percentage) in clean, dry air?	
Mitrogen	