

CHEMISTRY

Learning objectives I can:	I can do this very well	I can do this quite well	I need to do more work on this
1.1 Demonstrate an understanding that analysis may be qualitative or quantitative			
1.2 Explain why the test for any ion must be unique			
1.3 Describe tests to show the presence of the following ions in solids or solutions as appropriate: a Al^{3+} , Ca^{2+} , Cu^{2+} , Fe^{2+} , Fe^{3+} using sodium hydroxide solution			
b NH_4^+ using sodium hydroxide solution, warming and testing for the ammonia gas produced			
c Cl^- , Br^- , I^- using dilute nitric acid and silver nitrate solution			
HSW 10 Using both qualitative and quantitative approaches			
HSW 5 Planning to test a scientific idea, answer a scientific question or solve a scientific problem			
1.4 Identify the ions in unknown salts, using the tests in 1.3 and in C2 specification point 2.15			
1.5 Demonstrate an understanding that these tests form the basis for testing by chemists: a working in the water industry to check the purity of drinking water			
b for the presence of minerals in the blood			
HSW 12 The use of contemporary science and technological developments and their benefits, drawbacks and risks			