1)	sample mass, o A silver	Salt is to be mined from a geological deposit of sedimentary rock. A small sample of the rock was supplied and tested for the percentage of salt, by mass, contained in the sample. A silver nitrate solution was used to precipitate the chloride ions found in a 4.50g sample of the rock.	
	i)	Write a chemical equation for the precipitation reaction.	
	ii)	If the sample was found to contain 61.2% chloride, by mass, what was the mass of the precipitate obtained from the investigation?	
2)	of the o	contains an ore of aluminium sulphate ($Al_2(SO_4)_3$). A 3.48 g sample ore is crushed and the sulphate precipitated as barium sulphate (s). If 2.65 g of barium sulphate is obtained what is the percentage by if sulphur in the ore given to the right number of significant figures?	