

Chemistry Practice

Worksheet (1) Stiochiometry questions

Nam	ne: Grade: 9 IB :	
٩nsv	wer the following questions:	
Que	estion 1:	
0.60 occi	00 mol of aluminium hydroxide is mixed with 0.600 mol of sulfuric acid, and the following readurs:	etion
	$2Al(OH)_3(s) + 3H_2SO_4(aq) \rightarrow Al_2(SO_4)_3(aq) + 6H_2O(l)$	
(a)	Determine the limiting reactant.	[2]
(b)	Calculate the mass of $Al_2(SO_4)_3$ produced.	[2]
(c)	Determine the amount (in mol) of excess reactant that remains.	[1]















Question 2:

(i)	Distinguish between the terms empirical formula and molecular formula.	[2]
	Empirical formula:	
	Molecular formula:	
	Worcedia formula.	
(ii)	Determine the empirical formula of X .	[2]
(ii)	Determine the empirical formula of X .	[2]
(ii)	Determine the empirical formula of X .	[2]
(ii)	Determine the empirical formula of X.	[2]
(ii)		[2]
(iii)		[2]











