Name	Section
Partner	<del></del> _
CHM 111 Synthesis of Alum Lab Report Form  Add all four reaction steps together to get the overall reaction. Remember to cross out anything that occurs on both the reactant and product sides and to combine like terms. Write your overall balanced equation in the box. As always, attach sample work for each type of question.	
For each reactant except water, calculate the	number of moles you added:
Al moles	
KOH moles	
H <sub>2</sub> SO <sub>4</sub> moles	
Use the stoichiometry of the balanced reaction	on to identify the limiting reactant. Circle it.
water molecules bound inside them. Specific	n the crystals are completely dry, there are still eally, it's a "dodeca" hydrate because that's how nose waters influence the molecular mass (g/mol) of
Molecular mass of alum	
Based on the balanced equation (if the reacti or lose one crystal) how much product could	on went perfectly and you didn't spill a single drop you make? This is the theoretical yield.
Moles alum (theoretical)	
Mass alum (theoretical)	
Mass alum (actual)	
The percent yield is (mass actual/mass theorem	etical) * 100%.
% yield	