Chemistry I	Name	
	Date	
Hydrates Practice Problems		
Directions: Solve the following. Show all your set-ups answer.	. Remember sig figs an	d units in you
1. What is the molecular mass of the hydrate sodium carbonate decahydrate? (That's Na_2CO_3 • $10H_20$, aka washing soda.)		
2. What is the percent of water in the hydrate Na ₂ CO ₃	₃• 10H₂0?	
3. How many moles of water would there be in .0987	moles of Na₂CO₃• 10H₂	0?
4. How many grams of water would there be in 351 g	rams of Na ₂ CO ₃ • 10H ₂ 0	?
5. When 678 grams of a hydrate of NaAl(SO ₄) ₂ is hea salt is left. What is the formula for the hydrate of NaA	ated, 358 grams of the $J(SO_4)_2$?	anhydrous