Note Taking Guide: Episode 703		Name			
<u>Molecular Formula</u>					
 represents the 	number of	of each			
in the					
not necessary for					
necessary for					
The molecular formula for water is	s	, and empirical formula is also			
The molecular formula for hydroge formula is	en peroxide is	s, and empirical			
<u>Example Problem</u>					
The empirical formula for glucose	is CH ₂ O				
a) If the molar mass is 180.0 g		ne molecular formula			
b) If the molar mass is	_g/mole, find	the molecular formula.			
<u>Problem Set One</u> (work on your ow	ın naner)				
Troblem Ser One (work on your ow	n paper)				
empirical formula		molar mass			
СН		g/mol			
NO ₂		g/mol			
C₃H ₈		g/mol			
Ex. Problem: Find the molecular		compound with- massg/mol			
g N g	0 molar	muss y/moi			

<u>Н</u> у •				, molecules o	adhering to the		
•	Na ₂ CO ₃ • indicates	_H ₂ O	mole		ring to each		
•	mass of			c	ompound minus ma	SS	
Example Problems Determine the formula of hydrated barium chloride from this data: initial mass of hydrated compound = 1.373g mass after heating = 1.175g							
	etermine the fo		•		% CaSC)3	
	CR1.	ТІ	he Chemist CR2.	ry Quiz 1.	2.		
	3	3.	4.		5.		

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