	2 ²⁴ - 3	Name: Key · Blk:Date:	
Chemistry 12 ACID BASE PART II Lesson #21 Metal and Non-Metal Oxides			
When a <u>Metal oxide</u> is added to water there is an initial dissociation reaction, such as:			
	Na ₂ O (s) -→2 Na ⁺ (aq)	+ O ²⁻ (aq)	
The O²- present in water reacts to form as seen in the below example:			
The OH is strongly attracted to the Nat that is present and forms NaOH. The overall balanced equation is:			
Naze (Suman	$+$ $H_2O \longrightarrow$	2 NaOH	
	e balanced equations for $5\sqrt{(OH)}_{2}$ (ag)	or the following metal oxide	es in
CONCLUSION: METAL OXIDES FORM BASIC SOLUTIONS!!!!			
When a <u>non-metal oxidl</u> is added to water bonds to the existing oxide portion of the molecule to create an <u>ACID</u> .			
Example: SO ₃ + H ₂ O →	H ₂ SO ₄		
in water: a. CO_2 b. N_2O_5 c. SO_2 thresis CONCLUSION: NON-MI	H ₂ CO ₃ (aq) 2 HNO3 (aq) H ₂ SO ₃ (aq) ETAL OXIDES FORM	ACIDIC SOLU	TIONS!!
*recall metallic	trend from	n Chem II -	7 metallic
* recall metallic SEATWORK/HOMEWO PLO's: R1	RK: Exercises 144-145	5 pg 185 in HEBDEN	character as you move left t
" most basic	netal oxide is	Fr20	

acidic mon-metal oxide is F20