

Name: _____
Blk: _____ Date: _____

Chemistry 12
ACID BASE PART II Lesson #21
Metal and Non-Metal Oxides

When a _____ is added to water there is an initial dissociation reaction, such as:



The O^{2-} present in water reacts to form _____ as seen in the below example:

The OH^- is strongly attracted to the _____ that is present and forms _____.

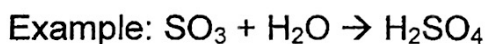
The overall balanced equation is:

Example 1. Write out the balanced equations for the following metal oxides in water:

- a. SrO
- b. Rb_2O
- c. CaO

CONCLUSION: METAL OXIDES FORM _____ SOLUTIONS!!!!

When a _____ is added to water bonds to the existing oxide portion of the molecule to create an _____.



Example 2. Write out the balanced equations for the following non-metal oxides in water:

- a. CO_2
- b. N_2O_5
- c. SO_2

CONCLUSION: NON-METAL OXIDES FORM _____ SOLUTIONS!!

SEATWORK/HOMEWORK: Exercises 144-145 pg 185 in HEBDEN
PLO's: R1