

Name KEY  
Section \_\_\_\_\_  
Last 4 digits of SS \_\_\_\_\_

Chemistry 109  
Quiz 3 2/15/00

THERE IS NO NUMBER OF IMPLIED CORRECT ANSWERS TO QUESTIONS  
(ALL COULD BE RIGHT, ALL COULD BE WRONG). CLEARLY CIRCLE ANY  
CORRECT ANSWERS!

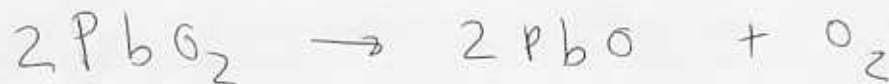
1. (3 pts) Today, you will generate hydrogen from the following chemicals:

- a) Zn      b) Cr      c) HClO<sub>3</sub>      d) HCl

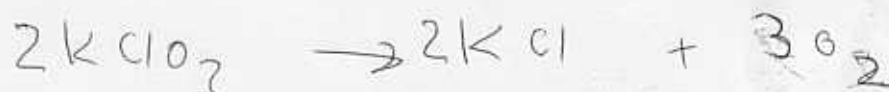
2. (2 pts) Which acid forms if you burn sulfur in a jar and add water to the combustion gases:

- a) HSO<sub>3</sub>      b) H<sub>2</sub>SO<sub>3</sub>      c) H<sub>2</sub>SO      d) H<sub>2</sub>SO<sub>4</sub>

3. (2 pts) You generated oxygen by heating lead dioxide. Write a balanced chemical equation for this process!



4. (2 pts) Write a balanced equation for the generation of oxygen from potassium chlorate!



5. (1 pt) Which acid forms from carbon dioxide and water?

- a) HCO<sub>3</sub>      b) H<sub>2</sub>CO<sub>3</sub>      c) H<sub>2</sub>CO

You will lose one point for each wrong assignment, or to a minimum of 0 points for a particular question