

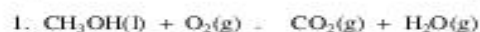
Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Chemistry Quiz

### Chemical Reactions

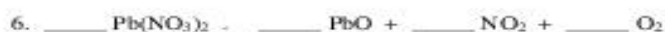
#### Part I.

Identify the following reactions as synthesis, decomposition, single replacement, double replacement or combustion. The reactions may or may not be balanced. [10 pts. each]



#### Part II.

Balance the following reactions by filling in the blanks with the correct coefficients. Any ..... [10 pts. each]



#### Part III.

Short answer questions. Provide the best answer in the space provided.

7. Will the following reaction occur? [10 pts]



8. Consider the following reactants:



a. What type of reaction will take place when these reactants are mixed? [5 pts]

b. Predict the products of this reaction and balance this reaction. [15 pts]



c. Will this reaction occur? Explain. [10 pts]