

Chemical Reactions Review Sheet

I. Part 1 - Multiple Choice

1. This section will account for 20 points on the test and will be OPEN NOTES.
2. Have the following notes and quizzes organized, highlighted, and reviewed.

- *Chemical Equations*
- *Classifying Chemical Reactions*
- *Reaction Rates*

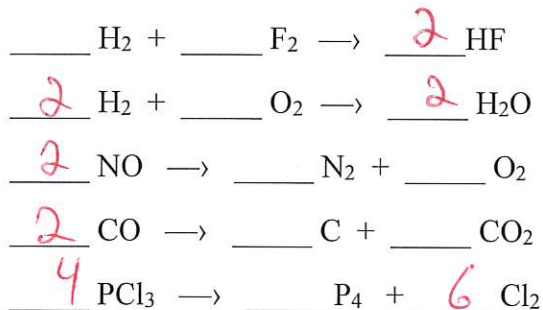
II. Part 2 - Performance Assessment

This section will account for 30 points on the test and will be CLOSED NOTES.

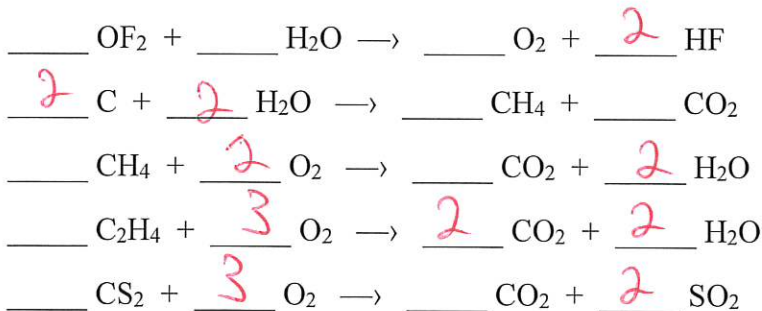
#1 - Balancing Chemical Reactions

1. Balance the following equations.

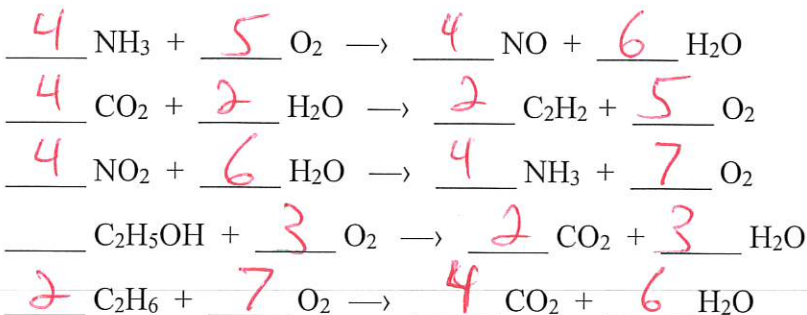
Level 1



Level 2

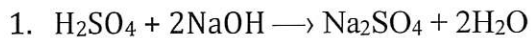


Level 3

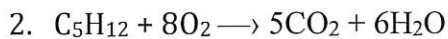


#2 - Types Of Reactions

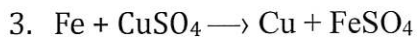
1. Identify whether each reaction is : Synthesis, Decomposition, Single-Replacement, or Double-Replacement.



Double-Replacement



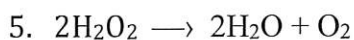
Double-Replacement



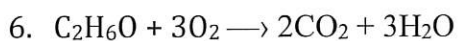
Single-Replacement



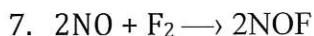
Single-Replacement



Decomposition



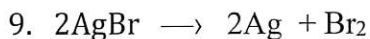
Single-Replacement



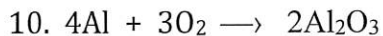
Synthesis



Double-Replacement



Decomposition



Synthesis

#3 - Summarizing Chemical Equations

1. Balance each equation.

2. Determine the type of reaction occurring (S, D, S-R, D-R).

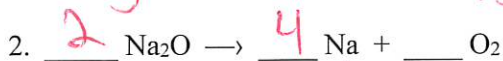
3. Write out the names of the elements and compounds in the equation.

Type Of Reaction



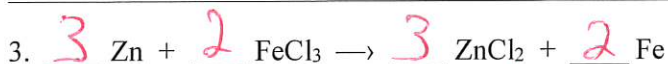
Synthesis

magnesium + oxygen → magnesium oxide



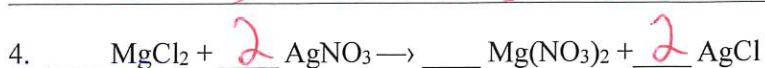
Decomposition

sodium oxide → sodium + oxygen



Single-Replacement

zinc (II) + iron (III) chloride → zinc (II) chloride + iron (III)



Double-Replacement

magnesium chloride + silver nitrate → magnesium nitrate + silver chloride