Name _____

Chapter 19.1 – Virtual Lab (Balancing Chemical Equations)

 $C_8H_{18} + C_2 ---> CO_2 + CO_2 + H_2O$

_____ Na + ____ HCi ---> ____ NaCl + ____ H₂

_____ H₂ + _____Cl₂ ---> _____ HCl

_____ SiO₂ + ____ C ---> ____ SiC + ____ CO

_____MgCl₂ + _____Na₂CO₃ ---> _____MgCO₃ + _____NaCl

_____Na + ____H₂O ---> ____NaOH + ____H₂

_____H₂ + _____O₂ ---> _____H₂O

_____Mg + ____O₂ ---> _____MgO

_____ C₂H₂ + _____ O₂ ---> _____ CO₂ + ____ H₂O

_____ KL + ____Br₂-----> ____KBr + ____L₂

Chemical Reactions

What is a balanced chemical equation?

Question 1 :How did you balance the chemical equations?

Question 2: Were your equations properly balanced? Why or why not?

Question 3: How did knowing the formula weights of the elements help you balance the equation?

Question 4: How did you figure out the coefficients?