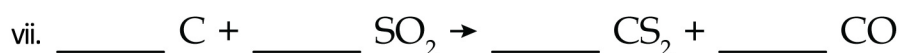
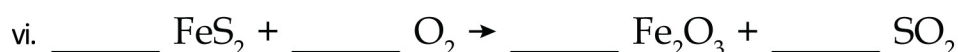
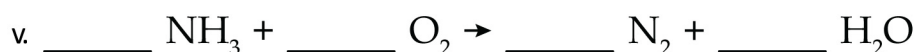
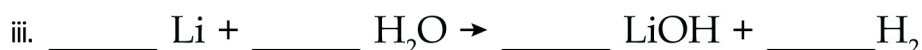
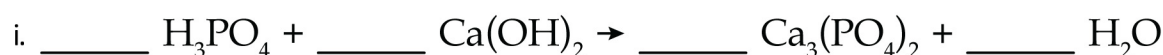


Balancing Chemical Equations

Part A. Fill in the blanks with the most appropriate terms.

1) A balanced _____ tells the story of a chemical reaction. _____ are starting substances in the reaction, while _____ are new substances that form. The numbers in front of some of the formulas are called _____. These numbers are used to _____ the equation because chemical reactions must obey the law of _____ of matter. The number of atoms of each element on both sides of the equation must be equal because matter cannot be _____ nor _____. When balancing equations, the only numbers that can be changed are the _____. Remember that _____ must never be changed in order to balance an equation.

Part B. Balance the following chemical equations.



Balancing Chemical Equations

Answers

1) A balanced equation tells the story of a chemical reaction. Reactants are starting substances in the reaction, while products are new substances that form. The numbers in front of some of the formulas are called coefficients. These numbers are used to balance the equation because chemical reactions must obey the law of conservation of matter. The number of atoms of each element on both sides of the equation must be equal because matter cannot be created nor destroyed. When balancing equations, the only numbers that can be changed are the coefficients. Remember that formulas must never be changed in order to balance an equation.

