

Unit 6: Chemical Reactions

Learning Targets

1. Predict single replacement reactions.
 - I can recognize a single replacement reaction
 - I can predict the products of a single replacement reaction given the reactants
2. Predict double replacement and combustion reactions.
 - I can recognize a double replacement reaction
 - I can predict the products of a double replacement reaction given the reactants
 - I can recognize a combustion reaction
 - I can predict the products of a combustion reaction given the reactants
3. Identify synthesis and decomposition reactions.
 - I can recognize a synthesis or decomposition reaction
 - I can predict the product of a synthesis or decomposition given the reactants
4. Balance simple chemical equations applying the conservation of matter.
 - I can use subscripts and coefficients to indicate numbers of atoms in a compound/molecule
 - I can properly use coefficients to balance chemical equations
5. Calculate energy changes associated with chemical reactions.
 - I can draw structures for covalent compounds and use a table of standard bond energies to determine the energy emitted or absorbed.
 - I can determine whether a reaction is exothermic or endothermic.