

Unit 7 – Stoichiometry and Limiting Reactants – Learning Targets

- | | Beginning | Progressing | Mastered | |
|---|--------------------------|--------------------------|--------------------------|--|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can identify the substance given and the substance sought (target) in a stoichiometry word problem. |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can determine the mole ratio between any two substances within a balanced chemical reaction. |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can correctly set up and solve a stoichiometry equation, determining the mass of one or more products, given the mass of one reactant. |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can solve a stoichiometry equation if one or more reactants or products is a gas, whether at conditions of S.T.P. or some other temperature and/or pressure. |
| 5 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can predict which reactant in a chemical reaction is the limiting reactant, given the masses of all reactants, and can also determine the masses of all products which will be formed. |
| 6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can determine the percent yield of a chemical reaction, given the actual yield and having calculated the stoichiometric (theoretical) yield. |