

## CH 221 LEARNING OUTCOMES

1. Convert English and metric measurements using common unit conversions including Avogadro's number, molar mass, and molarity.
2. Identify elements and molecules through nomenclature and formulas.
3. Interpret a balanced chemical equation and apply stoichiometry to determine percent yield and theoretical yield.
4. Distinguish types of common chemical reactions and net ionic equations.
5. Differentiate methods to determine the enthalpy change associated with exothermic and endothermic reactions.