

# Module 1: Grade 11 Review (GR)

## Mastery Scale

<b>Level 7</b> Master 1s, 2s, 3s, and 4	<b>GR 4.1:</b> Deduce the correct number of significant digits for various calculations
<b>Level 6</b> Master 1s, 2s, 3s and some of 4	<b>GR 4.2:</b> Propagate uncertainties for various calculations
<b>Level 5</b> Master 1s, 2s, and 3	<b>GR 3.1:</b> State the <i>IUPAC</i> name or chemical formula for the following types of compounds: <i>polyatomic ionic compounds</i> , and <i>oxy-acids</i>
<b>Level 4</b> Master 1s, 2s and some of 3	<b>GR 3.2:</b> Perform stoichiometric calculations involving balanced chemical equations (using moles, molar mass, mass, and/or concentration)
<b>Level 3</b> Master 1s and 2s	<b>GR 2.1:</b> State the <i>IUPAC</i> name or chemical formula for the following types of compounds: <i>multivalent binary compounds</i> , <i>peroxides</i> , <i>binary acids</i> , and <i>bases</i>  <b>GR 2.2:</b> Determine the empirical formula and/or the molecular formula of a substance from the percentage composition and/or experimental data  <b>GR 2.3:</b> Solve problems involving the ideal gas law
<b>Level 2</b> Master 1s	<b>GR 1.1:</b> State the <i>IUPAC</i> name or chemical formula for the following types of compounds: <i>binary ionic compounds</i> , <i>covalent compounds</i> , and <i>gaseous elements</i>  <b>GR 1.2:</b> Balance a chemical equation by inspection  <b>GR 1.3:</b> Calculate the molar mass or percentage composition by mass of a given compound
<b>Level 1</b>	Does not meet the minimum requirements for a Level 2