

Unit 4 – The Names and Formulas of Chemical Compounds – Learning Targets

- | | Beginning | Progressing | Mastered | |
|----|--------------------------|--------------------------|--------------------------|---|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can give the name of a simple ion from its chemical formula. |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can write the formula of a simple ion from its name. |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can combine positive and negative simple (monatomic) ions to give the correct formula for a binary compound, given the compound's name. |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can write the name of a simple binary compound, given the compound's formula. |
| 5 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can give the names of both positive and negative polyatomic ions, given their formulas. |
| 6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can combine simple and/or polyatomic ions to give the correct formula for a polyatomic compound. |
| 7 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can give the correct name of a compound containing simple and/or polyatomic ions, if given the formula. |
| 8 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can determine the charge on a metal ion that can have more than one charge by looking at the total negative charges on the corresponding negative ions in a compound. |
| 9 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can determine the name of the compound that contains a multivalent metal ion, from its formula. |
| 10 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can write the formula of a compound containing a multivalent metal ion, given the compounds name and Roman Numeral. |
| 11 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can write the name of a covalent compound, given the formula. |
| 12 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can write the formula of a covalent compound, given the compound's name. |
| 13 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can write the name of an acid compound, given the formula. |
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I can write the formula of an acid compound, given the name. |