**Strand 5: Organic Chemistry**

Lesson 1 of Week 5, Term 2: **Carboxylic Acid**

Resource: Esa study Guide, Level 2 Chemistry, Chapter 15, online as well

The learning outcomes targeted in this activity are provided in the table below,

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| **SLO Code** | **SPECIFIC LEARNING OUTCOMES (SLO):**  | **SKILL LEVEL** |



Activity

1. Identify the functional group of carboxylic acids
2. Write the general formula for Carboxylic acid
3. Determine the molecular formula and structural formula of C1 – C5 carboxylic acids and name them using IUPAC nomenclature rules.

|  |  |  |  |
| --- | --- | --- | --- |
| **Carbon Number** | **Structural formula** | **Molecular Formula Structure** | **Name** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |