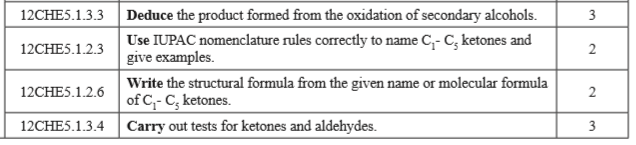
**Strand 5: Organic Chemistry**

Lesson 3 of Week 4, Term 2: **Alcohols, Ketones and Aldehydes**

Resource: Esa study Guide, Level 2 Chemistry, Chapter 14, online as well

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

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



Activity

1. Deduce/gather the product formed from the oxidation of secondary alcohols
2. Write the general formula for Ketones
3. Determine the molecular formula and structural formula of C1 – C5 Ketones and name them using IUPAC nomenclature rules.

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

4. Watch a video on carrying out a test for Ketones and aldehydes