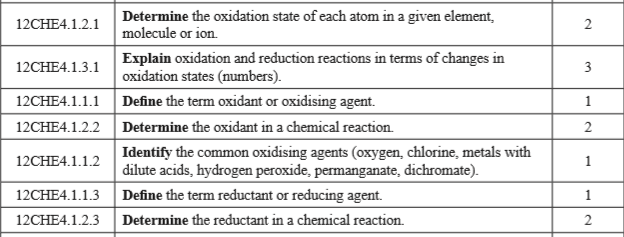
**Strand 4: Oxidation and Reduction**

Lesson 1 of Week 9: **Oxidation and Reducation**

Resource: Esa study Guide, Level 2 Chemistry, Chapter 21, 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. What is the oxidation number of the following:
2. Explain the following in terms of changes in oxidation states (number)
3. Define the term following
   1. Oxidant(oxidising agent)
   2. Reductant (reducing agent)
4. For the reaction Fe + Cu2+  Fe2+ + Cu
   1. Identify the oxidant, explaining your reasoning
   2. Identify the reductant, explaining your reasoning
5. For the reaction 2PbO + C 2Pb + CO2 
   1. Identify the oxidant, explaining your reasoning
   2. Identify the reductant, explaining your reasoning
6. List the seven common oxidising agents (oxidant)