**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,

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| **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)