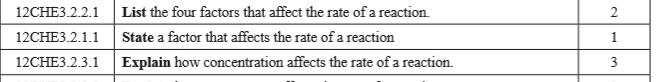
**Strand 3: Physical Chemistry**

Lesson 1 of Week 2, Term 2: **Rate of Reaction**

Resource: Esa study Guide, Level 2 Chemistry, Chapter 17 (was photocopied last year 2019), 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. List the four main factors that is affecting the rate of a reaction
2. Explain or point out how concentration affects the rate of reaction
3. Use collision theory to explain the following observation
   1. Fine coal dust in coal mine has caused explosions when accidentally sparked
   2. A piece of wood will burn faster when splintered
   3. A pieced of iron placed in a Bunsen flame gets hot. Iron wool (fine threads of iron) placed in a flame burns to produced iron oxides.