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**S2 Science: how well is your learning progressing?**

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| --- | --- | --- | --- | --- |
| **Key area: Pollution** | **I can do this.** | **I need to go over this.** | **I don’t know this.** | **Level** |
| I can define pollution |  |  |  |  |
| I can describe the formation of fossil fuels |  |  |  |  |
| I can explain the use of fossil fuels |  |  |  |  |
| I can explain how different materials are derived from fossil fuel |  |  |  |  |
| I can contribute to discussion on the responsible use and conservation of fossil fuels |  |  |  |  |
| I know that fossil fuels are burned to release energy |  |  |  |  |
| I know that reduced oxygen during combusion causes soot and carbon monoxide formation |  |  |  |  |
| I can describe the pollution effects of soot |  |  |  |  |
| I can describe some processes which lead to climate change |  |  |  | 3 |
| I can describe greenhouse gas formation |  |  |  |  |
| I can describe the impact of atmospheric change on the survival of living things |  |  |  | 3 |
| I can describe the carbon cycle |  |  |  |  |
| I have helped to design and carry out practical activities to develop my understanding of chemical reactions |  |  |  |  |