**C1.1 - Fundamentals**

1. **Explain why the group 1 metals (Lithium, Sodium and Potassium) all have similar properties. Compare this to group 0 elements (the noble gases) and explain their lack of reactivity.**

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**C1.2 – Rocks and their uses**

1. **Evaluate the social, economic and environmental impacts of quarrying limestone.**

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**C1.3 – Metals and their uses**

1. **What is a metal ore, and what are the advantages and disadvantages of extracting metals from metal ores compared to recycling?**

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**C1.4 – Crude oil**

1. **Explain how crude oil is separated and describe the negative effects burning of fossil fuels.**

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**C1.5 – Products from oil**

1. **Ethanol can be produced by the continuous process (hydration of ethene) or the batch process (fermentation of sugar). Evaluate the two methods of ethanol production.**

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**C1.6 – Plant oils**

1. **Describe how a mixture of oil and water can be made into an emulsion.**

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**C1.7 – Changing Earth**

1. **The Earth is approximately 4.5 billion years old. Describe and explain how the Earth’s atmosphere has changed since the Earth was only a few million years old.**

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