



KEC

# K Education Centre



## GCSE Chemistry C2 - AQA

The periodic table

Assignment Questions

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Year 2022

## C2: The periodic table

Q: Explain how Dmitri Mendeleev used atomic weights to construct his periodic table?

Q: Explain how metals and non – metals change when they react to form their ions, use calcium and oxygen as an example.

Q: Write down electronic configuration of Lithium and Sodium. Explain why Lithium is more reactive than sodium.

Q: Explain the formation of metal chlorides with an example. Write down the full balanced chemical equation.

Q: Write down the reaction of alkali metals with water. Give one example.

Q: Explain in detail what happens when a solution of bromine is mixed with potassium iodide solution. Include a balanced chemical equation with state symbols in your answer.

Q: Explain the trends in term of chemical reactivity of Group 1 and Group 7 elements while going down the group.