

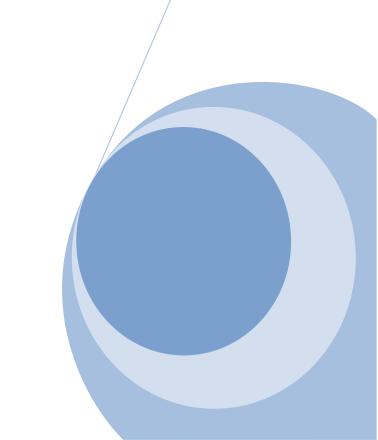
## K Education Centre

## GCSE Chemistry SC4 - Edexcel

The periodic table

**Assignment Questions** 

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## **SC4: The periodic table**

- Q1: Explain how Dmitri Mendeleev used atomic weights to construct his periodic table?
- Q2: Give an example of a pair of elements that would be in the wrong places if ordered by their relative atomic mass.
- Q3: Write down electronic configuration of Lithium and Sodium. Explain why Lithium is more reactive than sodium.
- Q4: Work out the relative atomic mass of magnesium it has the composition: 79 %  $^{24}$ Mg, 10 %  $^{25}$ Mg, 11 %  $^{26}$ Mg.
- Q5: What does electronic configuration of Magnesium and other elements in group2 has common?
- Q6: How is the electronic configuration of an element determined, and related to its position in the periodic table?
- Q7: With examples explain the differences in Mendeleev's periodic table and Modern periodic table.