



KEC

K Education Centre



GCSE Chemistry SC4 - Edexcel

The periodic table

Assignment Questions

©KEducationCentre
Year 2022

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 group 2 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.