



- 1 Dimitri Mendeleev is regarded as the 'father' of the Periodic Table.
- a In what order did Mendeleev himself place the elements? **atomic mass or atomic weight**
- b Why did Mendeleev place elements in groups?
elements with similar properties were placed in the same group
- c Explain in detail why Mendeleev's table became accepted as a vital part of chemistry.
he left gaps for elements he predicted would be discovered
he predicted the properties of those elements
over time, these elements with these properties were discovered
- d Years after he published his table, what order did we discover that we Mendeleev had placed the elements in?
atomic number order
- 2 A few years before Mendeleev produced his table, John Newlands had a similar idea with his table. Explain why Newlands' table was not accepted.
some elements with very different properties were in the same group (because he did not leave gaps for any new elements)