









## CC4 The Periodic Table





## CC4a Elements and the periodic table

Step	Learning outcome	Had a look	Nearly there	Nailed it!
 6 <sup>th</sup>	Recall the chemical symbols of some common elements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 <sup>th</sup>	Describe how Mendeleev arranged elements into a periodic table.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 7 <sup>th</sup>	Describe how Mendeleev predicted the existence and properties of some elements yet to be discovered.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 8 <sup>th</sup>	Explain how Mendeleev's early ideas were supported by later evidence.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## CC4b Atomic number and the periodic table

Step	Learning outcome	Had a look	Nearly there	Nailed it!
 7 <sup>th</sup>	Explain some problems Mendeleev had when ordering the elements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 <sup>th</sup>	Explain the meaning of the term 'atomic number'.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 <sup>th</sup>	Describe how the elements are arranged in the modern periodic table.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 <sup>th</sup>	Recall the positions of metals and non-metals in the periodic table.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## CC4c Electronic configurations and the periodic table

Step	Learning outcome	Had a look	Nearly there	Nailed it!
 7 <sup>th</sup>	State what the term 'electronic configuration' means.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 8 <sup>th</sup>	Show electronic configurations in the form 2.8.1 and as diagrams.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 9 <sup>th</sup>	Predict the electronic configurations of the elements hydrogen to calcium.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 9 <sup>th</sup>	Explain the links between an element's position in the periodic table and its electronic configuration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>