

Atomic Structure and the Periodic Table

| | <u>Working towards Mastery (W)</u> | <u>Meeting Mastery (M)</u> | <u>Beyond Mastery (B)</u> |
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| Periodic Table | <ul style="list-style-type: none">- The elements in a group all react in a similar way and sometimes show a pattern in reactivity.- As you go down a group and across a period the elements show patterns in physical properties. | <ul style="list-style-type: none">- Use data to describe a trend in physical properties.- Describe the reaction of an unfamiliar Group 1 or 7 element.- Use data showing a pattern in physical properties to estimate a missing value for an element.- Use observations of a pattern in chemical reactions to predict the behaviour of an element in a group. | <ul style="list-style-type: none">- Predict the position of an element in the periodic table based on information about its physical and chemical properties.- Choose elements for different uses from their position in the periodic table.- Use data about the properties of elements to find similarities, patterns and anomalies. |