

Chemistry - Year 9 End of term 1

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| Expectations | Classwork, homework and assessments shows student has knowledge of: | | |
| | Atoms, elements and compounds | Naming compounds | Separating techniques |
| | History of the atom | Atomic structure | Physical and chemical properties |
| Developing | <p>Student has shown an understanding of the topics and can demonstrate knowledge and understanding by recalling and stating the keywords from the topic. Assessment shows that they cannot yet explain these concepts in sufficient detail as to show that their understanding has been embedded. For example, they can identify some elements and compounds, but could make some errors. They can describe the structure of an atom for some elements, but not others.</p> | | |
| Secure | <p>Student has shown that they understand the topic and can apply the knowledge to familiar contexts. In class and assessments, they have shown that they cannot yet apply their understanding to new situations. For example, they can apply their knowledge of the structure of an atom to different elements, but are unable to apply this to a question with a different layout or wording. Another example could be that they can explain how to separate a certain mixture, but if a different mixture was given, they couldn't transfer that knowledge.</p> | | |
| Complex | <p>Apply knowledge synoptically, linking two or more concepts. Evaluate, conclude and improve procedures. The student has shown that they can apply their knowledge to different situations; linking concepts from a range of topics. They can evaluate their own, and other people's ideas. They are able to formulate conclusions to their findings and suggest improvements. For example, they can link their work on the structure of an atom, and use that to explain the properties of an element. Another example would be being able to explain the different methods of separation using knowledge of physical and chemical properties.</p> | | |