

Grading Criteria

To achieve a pass grade the evidence must show that the learner is able to:	To achieve a merit grade the evidence must show that, in addition to the pass criteria, the learner is able to:	To achieve a distinction grade the evidence must show that, in addition to the pass and merit criteria, the learner is able to:
P1 identify different types of chemical substances	M1 describe the differences between types of chemical substances	D1 explain how the structure of different chemicals affects their properties
P2 carry out a practical investigation into the physical properties of chemicals	M2 explain how the physical properties of chemicals make them suitable for their uses	
P3 describe atomic structures of elements 1-20 in the periodic table	M3 describe the trends within the atomic structure of groups 1 and 7 in the periodic table	D2 explain the trends in the chemical behaviour of the elements of groups 1 and 7 in relation to their electronic structure
P4 carry out an investigation into the chemical properties of elements in groups 1 and 7	M4 explain why the elements of groups 1 and 7 are mostly used in the form of compounds	
P5 carry out an investigation to establish how factors affect the rates of chemical reactions	M5 explain how different factors affect the rate of industrial reactions	D3 analyse how different factors affect the yield of industrial reactions
P6 identify the human activities that are affecting the Earth and its environment	M6 describe how the choices humans make have an effect on the Earth and its environment	D4 explain possible solutions to the effect humans have on the Earth and its environment
P7 identify natural factors that have changed the surface and atmosphere of the Earth	M7 describe the ways that natural factors have changed the surface and atmosphere of the Earth over millions of years	