

GRADE 10 CHEMISTRY SCHEMES OF WORK FOR TERM 2

NAME OF THE TEACHER:.....

SCHOOL:..... YEAR:.....

Wk	Lsn	Strand	Sub-strand	Specific Learning Outcomes	Key Inquiry Question(s)	Learning Experiences	Learning Resources	Assessment Methods	Refl
1	1	1.0 Inorganic Chemistry	1.5 Periodicity	Explain trends in physical properties of elements across periods and groups.	Why do properties of elements change across the periodic table?	Discuss periodic trends using charts.	Periodic table charts, textbooks.	Oral questions, observation.	
	2			Describe atomic size and its trend across periods and groups.	Why does atomic size decrease across a period?	Teacher demonstration and guided discussion.	Periodic table, digital simulation.	Question and answer.	
	3			Explain ionisation energy trends.	Why do some elements lose electrons more easily than others?	Group analysis of ionisation trends.	Charts, digital resources.	Quiz.	

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	4			Describe electronegativity trends.	How does electronegativity influence bonding?	Learners analyse electronegativity charts.	Periodic table charts.	Written assignment.	
	5			Explain electron affinity trends.	Why do some atoms attract electrons more strongly?	Learners research periodic trends.	Textbooks, internet.	Presentation.	
2	1	1.0 Inorganic Chemistry	1.5 Periodicity	Investigate physical properties of Group I elements.	Why are alkali metals highly reactive?	Laboratory investigation of metal reactions.	Laboratory apparatus, sodium sample videos.	Practical observation.	
	2			Investigate chemical reactions of alkali metals.	How do alkali metals react with water?	Teacher demonstration.	Lab apparatus.	Observation.	
	3			Describe properties of Group II elements.	Why are alkaline earth metals less reactive than Group	Group discussion.	Periodic table.	Oral questions.	