

GRADE 10 CHEMISTRY TERM 2 LESSON PLANS

GRADE 10 CHEMISTRY LESSON PLAN: Week 1, Lesson 1

SCHOOL	LEVEL	LEARNING AREA	DATE	TIME	ROLL
..... ...	Grade 10	Chemistry			

WEEK 1: LESSON 1

Strand:

1.0 Inorganic Chemistry

Sub Strand:

1.5 Periodicity

Specific Learning Outcomes:

By the end of the lesson, the learner should be able to:

Explain trends in physical properties of elements across periods and groups.

Key Inquiry Question(s):

Why do properties of elements change across the periodic table?

Core Competencies, Values, and PCIs:

Core Competencies	Values	PCIs
Critical Thinking and Problem Solving	Responsibility	Scientific Inquiry

Learning Resources:

Periodic table charts

Textbooks

Organization of Learning:

Introduction (5 minutes):

Ask learners to recall the structure of the periodic table and what periods and groups represent.

Lesson Development (25 minutes):

Step 1: Provide a teacher explanation of the term "periodicity" and what it means for physical properties.

Step 2: Use periodic table charts to demonstrate general trends such as metallic to non-metallic character across a period.

Step 3: Instruct learners to open their textbooks and trace the trends of specific physical properties.

Step 4: Facilitate a class discussion on why these physical changes occur sequentially.

Conclusion (10 minutes):

Summarize the main physical trends discussed.

Emphasize that the periodic table is a predictive tool.

Extended Activities:

Learners to sketch a blank periodic table outline and draw arrows indicating the general trend of metallic character.

Teacher Self-Evaluation:

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GRADE 10 CHEMISTRY LESSON PLAN: Week 1, Lesson 2

SCHOOL	LEVEL	LEARNING AREA	DATE	TIME	ROLL
..... ...	Grade 10	Chemistry			

WEEK 1: LESSON 2

Strand:

1.0 Inorganic Chemistry

Sub Strand:

1.5 Periodicity

Specific Learning Outcomes:

By the end of the lesson, the learner should be able to:

Describe atomic size and its trend across periods and groups.

Key Inquiry Question(s):

Why does atomic size decrease across a period?

Core Competencies, Values, and PCIs: