STATES OF MATTER: LESSON PLAN



MATERIALS

- loe in a small container
- Clear plastic cups
- · Syringes filled with water and isopropyl alcohol
- Paper and pens

- Water (100 ml for each group)
- · loe cubes
- · Worksheet copies

OBJECTIVES: AT THE END OF THE LESSON, THE STUDENTS SHOULD BE ABLE TO:

- Identify the phases of matter and its properties: solid, liquid, and gas
- Understand that matter can change its phase when heat or energy is added or removed

COMPELLING AND SUPPORTING QUESTIONS TO GUIDE INQUIRY

- What happens to water when it turns to loe?
- When water evaporates, what becomes of its properties?

PROCEDURES

15 minutes	Introduce matter. Facilitate discussion using 'States of Matter' presentation.
35 minutes	Carry out experimental tasks in groups of 4 students.
	For the experiment, provide each group with
	100 milliters of water in a small container)
	1 foe cube
	 One syringe containing 5 milliliters of alcohol, and another one 5 milliliters of water
	Worksheet
	Experiment 1: Solid-to-liquid phase transformation (Melting)
	 Students will be asked to note the amount of water in the glass.
	 Ask students to identify what phase water and ice assume.
	 Prompt students to drop an ice cube in the glass. Ask students to observe what
	happens to the ice cube and the amount of water.
	 Ask students what happens to the ice if it is left outside on a hot day.
	Experiment 2: Rate of Evaporation
	 Ask students to lay their hands flat on the table, palms facing up.
	 Using the droppers, put one drop of water on one palm and a drop of alcohol or the other palm.
	 Prompt students to observe the different liquids in their hands.
	 Ask students to watch how both hands feel with the different types of liquid.
	 After a minute, ask the student which palm has any figured left.

ASSESSMENT

Students are to answer the worksheet, which asks them to identify the phase of matter for the object in the photos and the final phase of matter based on cause and effect (adding or removing heat and energy).

Inquiry Based Learning Curriculum Design Lesson Plan

Elizabeth E. Heilman, Ramona Fruja, Matthew Missias

Inquiry Based Learning Curriculum Design Lesson Plan:

Reviewing Inquiry Based Learning Curriculum Design Lesson Plan: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Inquiry Based Learning Curriculum Design Lesson Plan**," an enthralling opus penned by a very acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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