

III. Assessment & Evaluation

A. Pre-Test Questions

Basic Knowledge Evaluation

1. What is your experience with the Periodic Table?
 - A) What is a Periodic Table?
 - B) I think I've seen one.
 - C) I have used one before.
 - D) I am confident that I fully understand the significance of the Periodic Table.
2. What is a Periodic Table?
 - A) A list of random elements
 - B) A chart of all known elements
 - C) An arrangement of elements based on increasing atomic number
 - D) An arrangement of elements based on atomic number and reactivity

Inquiry A Evaluation

3. The Periodic Table is organized by:
 - A) Atomic Size
 - B) Atomic Weight
 - C) Reactivity
 - D) Color
 - E) Metals and Non-metals
4. Elements are in groups based on:
 - A) their atomic size.
 - B) their number of protons.
 - C) their similar reactivities.
 - D) their relative color.
 - E) the size of their electrons.

Inquiry B Evaluation

5. What other elements would react similarly to O?
- A) Se
 - B) Po
 - C) S
 - D) Te
 - E) All of the above
6. Which of the following elements would not combine to make a compound with Magnesium?
- A) F
 - B) Ca
 - C) Cl
 - D) O

Inquiry C Evaluation

7. The correct chemical formula for Calcium chloride would be?
- A) CaCl
 - B) CaCl₂
 - C) CaCl₃
 - D) CaCl₄
 - E) That can not be determined from the information given
8. If you combined potassium with chlorine, how many potassium atoms would you need to combine with each atom of chlorine?
- A) 1
 - B) 2
 - C) 3
 - D) 4
 - E) 5
9. The correct chemical formula for Beryllium oxide would be:
- A) Be
 - B) BeO
 - C) BeO₂
 - D) Be₂O
 - E) Be₂O₃