

IDENTIFY THE PROPERTIES OF ELEMENTS, COMPOUNDS, AND MIXTURES PRACTICE

1. Which of the following are properties that are characteristic of elements?
Circle the correct options.

- a) Size b) Color c) Hardness d) Density e) Shape
f) Melting Point g) Flammability h) Weight i) Volume
j) Reactivity with Acids

2. Fill in the blanks:

- a. A _____ is formed when two or more elements combine chemically.
b. The only way to break down a compound is through a _____ change.
c. _____ are pure substances that cannot be broken down further.
d. The volume of an element doesn't affect its _____

3. Which of the following statements is correct?

- a. All compounds react with acids.
b. All compounds have their own properties.
c. It is impossible to identify compounds from their chemical properties.
d. A compound has the same properties as its constituent elements.

4. While Sodium (Na) and Chlorine (Cl) are harmful for consumption, the compound formed by their combination - Sodium Chloride (NaCl) - is perfectly edible and is available as table salt. How is this possible?

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Answers

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When Na and Cl react to form NaCl, they lose the chemical properties that inherently make them dangerous to eat.