Name _____

Unlocking the Secrets of Elements: Exploring Chemical Properties

Multiple Choice Questions

1. What are the building blocks of matter?

a) Compounds

b) Elements

c) Mixtures

d) Ions

2. Which group of elements is known for its extreme reactivity and tendency to lose electrons?

a) Noble gases

b) Halogens

c) Alkali metals

d) Transition metals

3. What property measures an element's ability to attract electrons in a chemical bond?

a) Reactivity

b) Electronegativity

c) Ionization energy

d) Atomic mass

4. Elements with high electronegativity tend to:

a) Share electrons readily

b) Lose electrons readily

c) Attract electrons in a chemical bond

d) Form positive ions

5. Where are the noble gases located on the periodic table?

a) In the first column

b) In the middle section

c) In the last column

d) Scattered throughout

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