

Name _____

Unlocking the Secrets of Atomic Mass: Why It Matters

Multiple Choice Questions

1. What unit is commonly used to measure atomic mass?
 - a) Atomic number
 - b) Atomic mass units (amu)
 - c) Molecular weight
 - d) Atomic radius

2. Why is atomic mass important in chemical reactions?
 - a) It determines the number of electrons in an atom.
 - b) It affects the color of an element.
 - c) It predicts how elements interact in reactions.
 - d) It determines the element's atomic number.

3. What is molar mass, and how is it related to atomic mass?
 - a) Molar mass is the same as atomic mass.
 - b) Molar mass measures the number of atoms in an element.
 - c) Molar mass is the mass of one mole of a substance and is numerically equal to atomic mass.
 - d) Molar mass measures the number of protons in an element.

4. How is the periodic table organized?
 - a) Based on the number of electrons in each element
 - b) Randomly
 - c) Based on atomic number and atomic mass
 - d) Alphabetically by element name

5. What instruments are used to measure atomic mass accurately?
 - a) Thermometers
 - b) Telescopes
 - c) Mass spectrometers
 - d) Microscopes

