

Name _____

Unlocking the Secrets of Atoms: Building Blocks of the Universe

Multiple Choice Questions

1. What are the three main particles found in atoms?
 - a) Protons, electrons, and photons
 - b) Neutrons, electrons, and positrons
 - c) Protons, neutrons, and electrons
 - d) Ions, electrons, and isotopes

2. Which part of the atom carries a positive charge?
 - a) Electrons
 - b) Neutrons
 - c) Protons
 - d) Isotopes

3. What is the electric charge of electrons?
 - a) Positive
 - b) Negative
 - c) Neutral
 - d) Variable

4. What property of an atom identifies it as a specific element?
 - a) Atomic mass
 - b) Atomic number
 - c) Electron cloud
 - d) Neutron count

5. What are isotopes of an element defined by?
 - a) Their atomic number
 - b) Their atomic mass
 - c) Their electron count
 - d) Their proton count

