

Atomic Structure Worksheet

1. Identify the three subatomic particles and their properties.

Particle	Location in Atom	Relative Charge

2. The nucleus of an atom contains _____ and _____, giving it a _____ charge.

3. Electrons are found in the _____ of an atom and have a _____ charge.

4. The number of protons in an element determines its _____, while the number of electrons affects its _____.

5. The atomic number represents the number of _____ in an atom. In a neutral atom, this number is also equal to the number of _____. The atomic number helps determine an element's position in the periodic table, as no two elements can share the same _____.