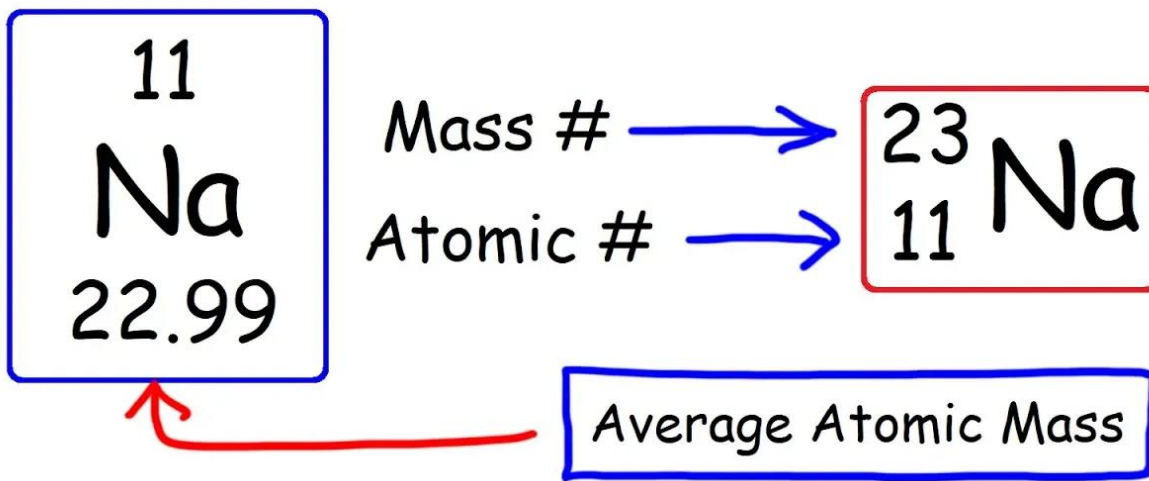


## Protons, Neutrons, and Electrons – Formula Sheet:



<b>Number of Protons:</b>	$P = \text{Atomic Number } (Z)$
<b>Number of Neutrons:</b>	$N = \text{Mass Number } (A) - \text{Atomic Number } (Z)$
<b>Number of Electrons:</b>	$E = \text{Atomic Number } (Z) - \text{Charge } (C)$
<b>Ion Charge:</b>	$C = \text{Protons} - \text{Electrons}$
<b>Average Atomic Mass:</b>	$amu = m_1P_1 + m_2P_2 + m_3P_3$