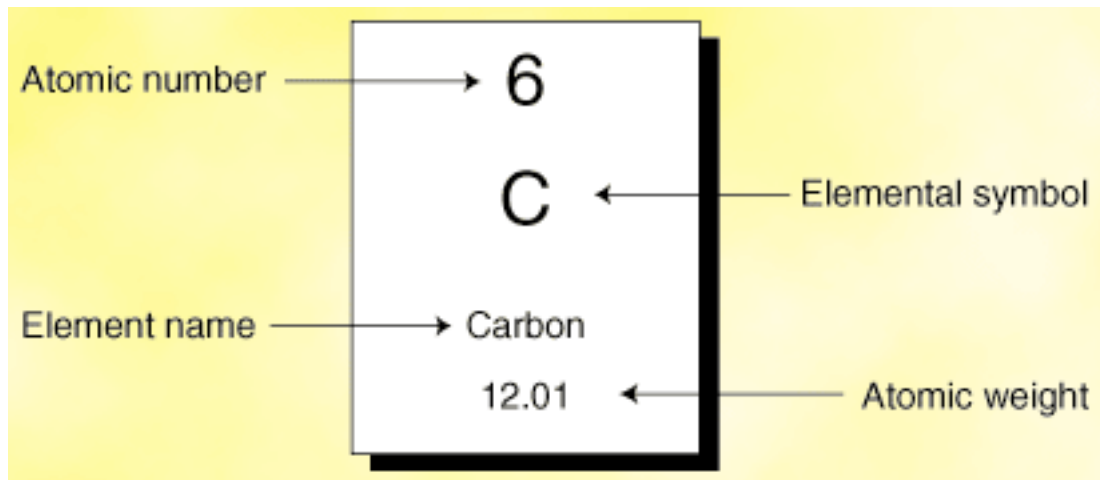


Atomic Theory Notes



Atom

- the smallest particle that makes up everything
- 3 subatomic particles make up an atom
 - protons= + charge (positive charge), located in the nucleus
 - Electrons= - charge (negative charge), located outside of the nucleus
 - Neutrons= 0 charge (no charge/neutral), located in the nucleus with the protons

HOW TO FIND THE NUMBER OF PARTICLES IN AN ATOM

- **Protons and the Electrons**= the Atomic Number
 - ie. Carbon has 6 protons and electron in an neutral atom
- **Neutrons**= The Atomic weight (rounded to the nearest whole number)-atomic number
 - is. Carbon has 6 neutrons ($12-6=6$)