

# Section 1 - Atomic Structure



$$+6 + -6 = 0$$

Neutral Atom



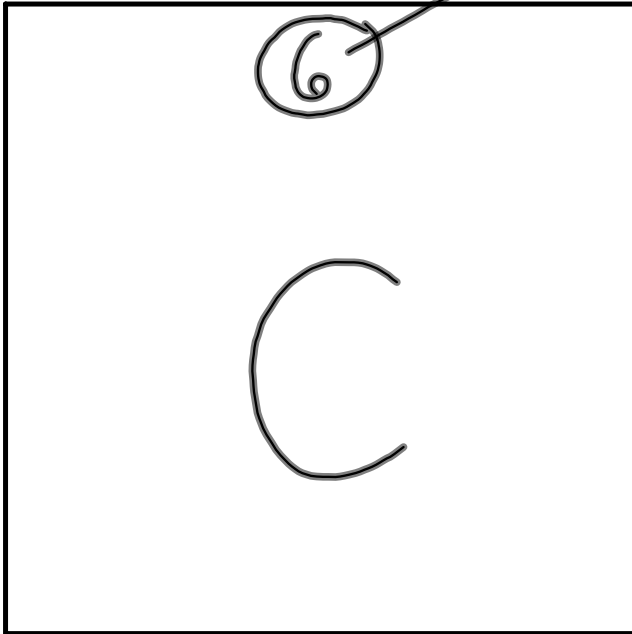
Atomic Number: the number of protons in the nucleus.  
Sometimes called proton number.

+ = proton

$e^-$  = electron

no charge = neutron

Atomic #



Element	protons +	electrons e <sup>-</sup>	neutrons (no charge)	Sketch
Carbon 12	6	6	6	
Carbon 13	6	6	7	
Carbon 14	6	6	8	
Oxygen 16	8	8	8	

Sentence

Antonym

Proton

Def

illustration

Synonym

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Homework: electron, neutron  
isotope, atomic #  
nucleus

P74

Outline Section 1