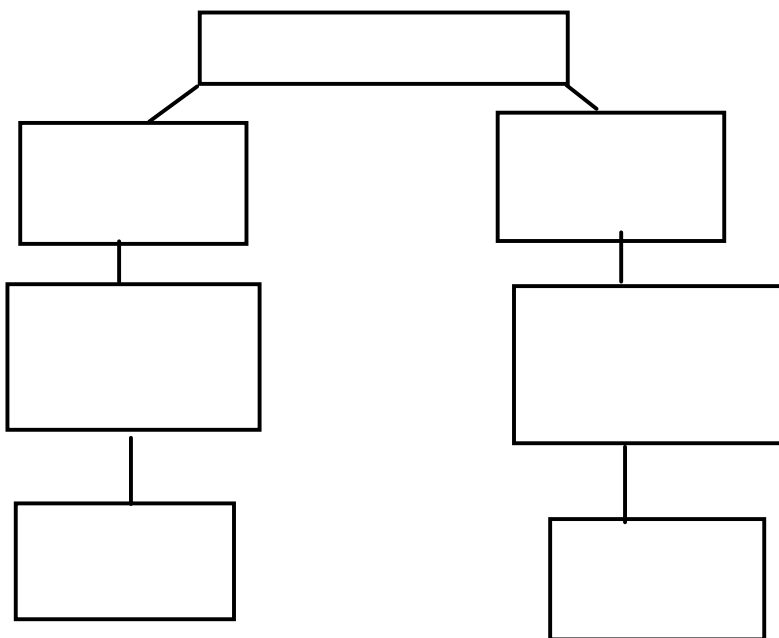


Atomic Structure Facts to **Memorize**

1. Mass number is the sum of _____ and _____.
2. Isotopes are atoms with the **same** number of _____ but **different** number of _____.
3. Isotopes are atoms with the **same** _____ number but **different** _____ number.
4. If neutral (atom) the number of _____ is equal to the number of _____.
5. Atomic number is always **equal** to the number of _____.

atomic electrons mass neutrons protons



**charge tells you number of electrons
gained or lost**

IONS student handout

	Cation	Anion
1.		
2.		
3.		
4.		
5.		

Ion Symbol	Proton	Electron	Charge
S ²⁻			
P ³⁻			
Ca ²⁺			
Na ¹⁺			
Se ²⁻			
Sn ⁴⁺			
I ¹⁻			

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Nuclide Symbol	Protons	Electrons	Neutrons	Mass Number	Atomic Number
		18	18		17
	56	54		137	
${}^9\text{Be}^{2+}$					
	37	36	49		
		36		78	34
${}^{32}\text{S}^{2-}$					
${}^{30}\text{P}^{3-}$					