

Atomic number- # of protons in atom
determines what element it is

Atomic mass- # of protons and neutrons

	6p 6n	6p 7n	6p 8n
Atomic mass	→ 12	13	14
Atomic number	→ 6	6	6
	C	C	C
	Carbon-12	Carbon-13	Carbon-14

Atomic mass	→ 85	Br ⁻	← charge
Atomic number	→ 35		
		↑	element Bromine
			#p = 35
			#n = 50
			#e = 36

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symbol	atomic #	atomic mass	protons	neutrons	electrons	charge
${}^{14}_6\text{C}$	6	14	6	8	6	0
${}^{128}_{53}\text{I}^-$	53	128	53	75	54	-1
5. ${}^{42}_{20}\text{Ca}^{+2}$	20	42	20	22	18	+2

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