

1 H Hydrogen																	2 He Helium																												
3 Li Lithium	4 Be Beryllium											5 B Boron	6 C Carbon	7 N Nitrogen	8 O Oxygen	9 F Fluorine	10 Ne Neon																												
11 Na Sodium	12 Mg Magnesium											13 Al Aluminium	14 Si Silicon	15 P Phosphorus	16 S Sulfur	17 Cl Chlorine	18 Ar Argon																												
19 K Potassium	20 Ca Calcium	21 Sc Scandium	22 Ti Titanium	23 V Vanadium	24 Cr Chromium	25 Mn Manganese	26 Fe Iron	27 Co Cobalt	28 Ni Nickel	29 Cu Copper	30 Zn Zinc	31 Ga Gallium	32 Ge Germanium	33 As Arsenic	34 Se Selenium	35 Br Bromine	36 Kr Krypton																												
37 Rb Rubidium	38 Sr Strontium	39 Y Yttrium	40 Zr Zirconium	41 Nb Niobium	42 Mo Molybdenum	43 Tc Technetium	44 Ru Ruthenium	45 Rh Rhodium	46 Pd Palladium	47 Ag Silver	48 Cd Cadmium	49 In Indium	50 Sn Tin	51 Sb Antimony	52 Te Tellurium	53 I Iodine	54 Xe Xenon																												
55 Cs Cesium	56 Ba Barium	57 La Lanthanum	72 Hf Hafnium	73 Ta Tantalum	74 W Tungsten	75 Re Rhenium	76 Os Osmium	77 Ir Iridium	78 Pt Platinum	79 Au Gold	80 Hg Mercury	81 Tl Thallium	82 Pb Lead	83 Bi Bismuth	84 Po Polonium	85 At Astatine	86 Rn Radon																												
87 Fr Francium	88 Ra Radium	89 Ac Actinium	104 Rf Rutherfordium	105 Db Dubnium	106 Sg Seaborgium	107 Bh Bohrium	108 Hs Hassium	109 Mt Meitnerium																																					
<table border="1"> <tbody> <tr> <td>58 Ce Cerium</td> <td>59 Pr Praseodymium</td> <td>60 Nd Neodymium</td> <td>61 Pm Promethium</td> <td>62 Sm Samarium</td> <td>63 Eu Europium</td> <td>64 Gd Gadolinium</td> <td>65 Tb Terbium</td> <td>66 Dy Dysprosium</td> <td>67 Ho Holmium</td> <td>68 Er Erbium</td> <td>69 Tm Thulium</td> <td>70 Yb Ytterbium</td> <td>71 Lu Lutetium</td> </tr> <tr> <td>90 Th Thorium</td> <td>91 Pa Protactinium</td> <td>92 U Uranium</td> <td>93 Np Neptunium</td> <td>94 Pu Plutonium</td> <td>95 Am Americium</td> <td>96 Cm Curium</td> <td>97 Bk Berkelium</td> <td>98 Cf Californium</td> <td>99 Es Einsteinium</td> <td>100 Fm Fermium</td> <td>101 Md Mendelevium</td> <td>102 No Nobelium</td> <td>103 Lr Lawrencium</td> </tr> </tbody> </table>																		58 Ce Cerium	59 Pr Praseodymium	60 Nd Neodymium	61 Pm Promethium	62 Sm Samarium	63 Eu Europium	64 Gd Gadolinium	65 Tb Terbium	66 Dy Dysprosium	67 Ho Holmium	68 Er Erbium	69 Tm Thulium	70 Yb Ytterbium	71 Lu Lutetium	90 Th Thorium	91 Pa Protactinium	92 U Uranium	93 Np Neptunium	94 Pu Plutonium	95 Am Americium	96 Cm Curium	97 Bk Berkelium	98 Cf Californium	99 Es Einsteinium	100 Fm Fermium	101 Md Mendelevium	102 No Nobelium	103 Lr Lawrencium
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Atomic Number

=

Number Electrons

Number = Protons

Atomic Mass

of Protons +
of Neutrons

Atomic Name Baron

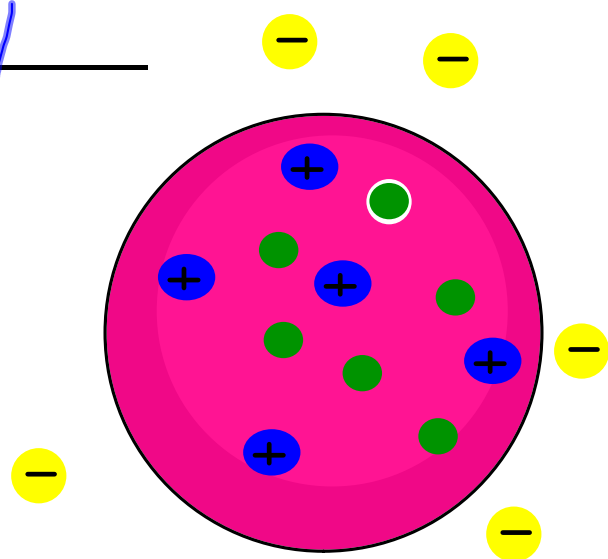
Atomic Number 5

Atomic Mass 11

Protons 5

Neutrons 6

Electrons 5



$$\begin{array}{r} -11 \\ -5 \\ \hline 6 \end{array}$$

Atomic Name Silicon

Atomic Number 14

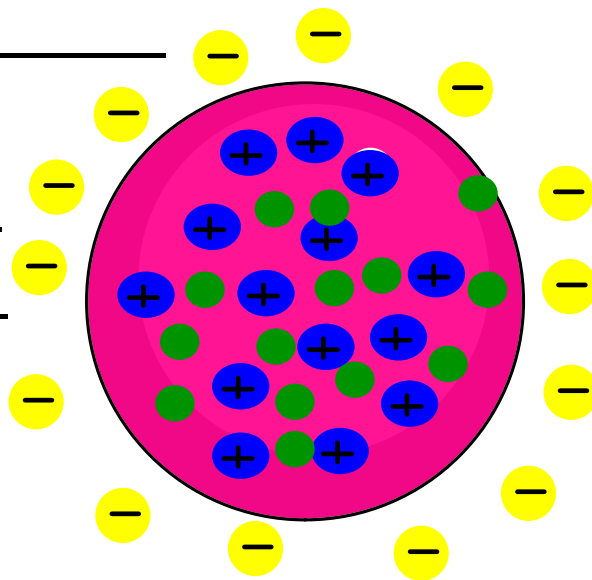
Atomic Mass 28

Protons 14

Neutrons 14

Electrons 14

$$\begin{array}{r} 28 \\ -14 \\ \hline 14 \end{array}$$



Atomic Name Iron

Atomic Number 26

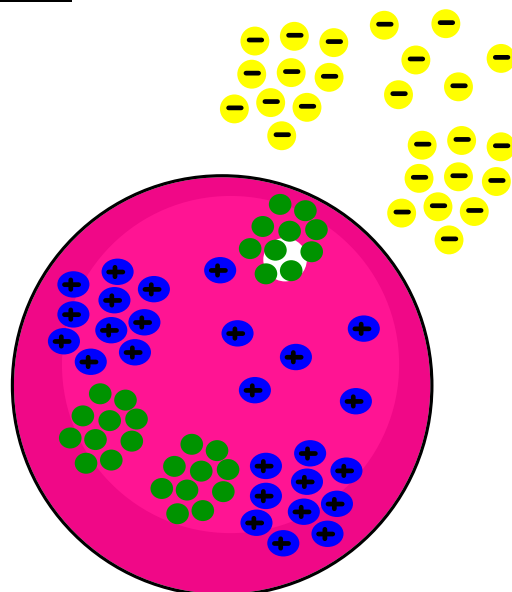
Atomic Mass 56

Protons 26

Neutrons 30

Electrons 26

$$\begin{array}{r} 56 \\ -26 \\ \hline 30 \end{array}$$



Atomic Name Neon

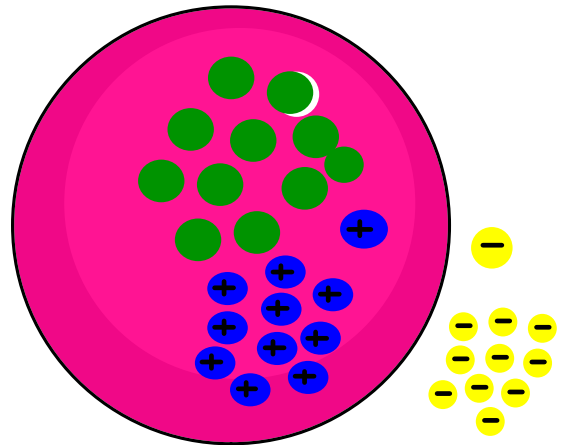
Atomic Number 10

Atomic Mass 21

Protons 10

Neutrons 11

Electrons 10



Atomic Name Nitrogen

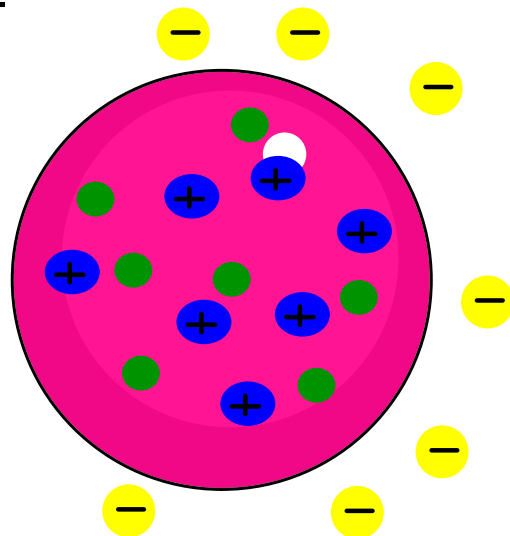
Atomic Number 7

Atomic Mass 14

Protons 7

Neutrons 7

Electrons 7



Atomic Name _____

Atomic Number 11

Atomic Mass 23

Protons _____

Neutrons _____

Electrons _____

Atomic Name _____

Atomic Number 13

Atomic Mass _____

Protons _____

Neutrons 14

Electrons _____

Atomic Name _____

Atomic Number _____

Atomic Mass __ 31 __

Protons __ 15 __

Neutrons _____

Electrons _____

Atomic Name _____

Atomic Number _____

Atomic Mass __ 65 __

Protons _____

Neutrons _____

Electrons __ 30 __

Atomic Name _____

Atomic Number _____

Atomic Mass _____

Protons _____

Neutrons 4

Electrons 3

Atomic Name _____

Atomic Number _____

Atomic Mass 19

Protons _____

Neutrons 10

Electrons _____