Worksheet

Ba^{2+} OH^-
OH^-

$Ba(OH)_2$

Bonding Capacity

H → 1

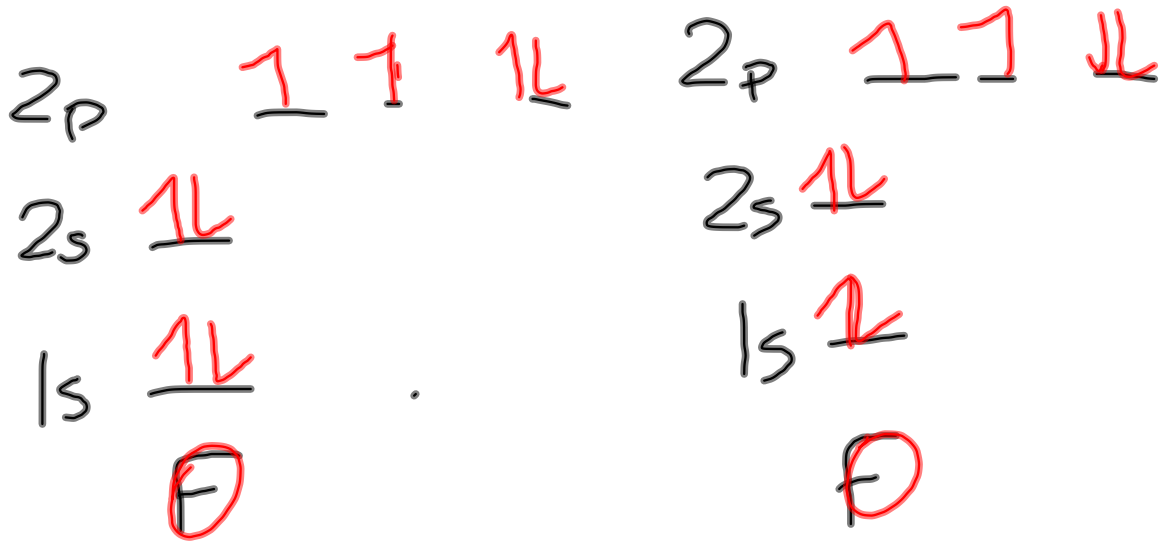
C → 4

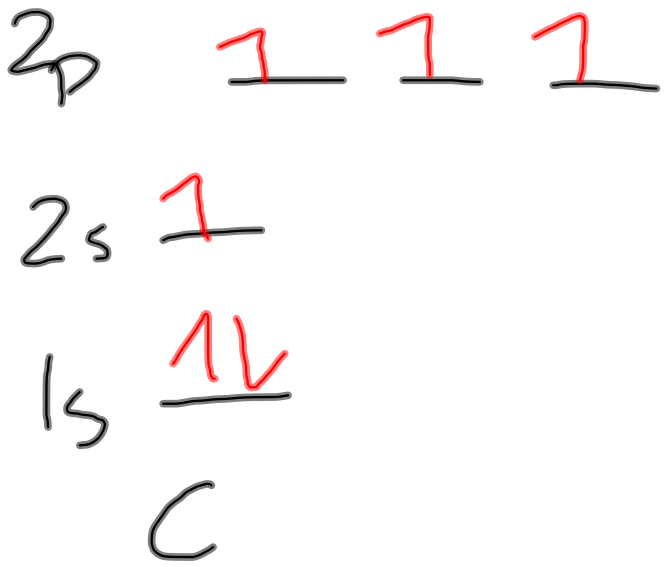
O → 2

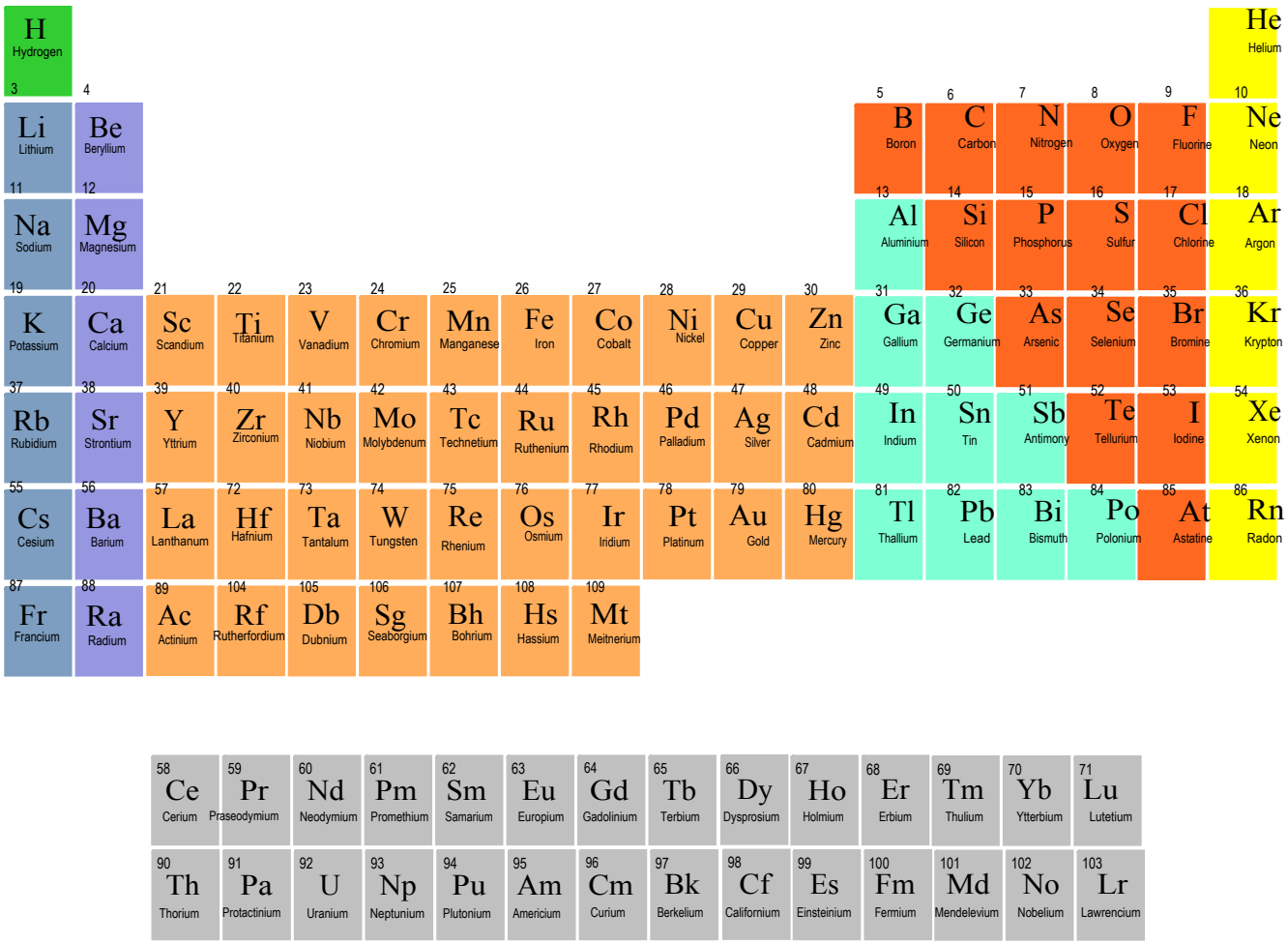
S → 2

N → 3

Cl → 1

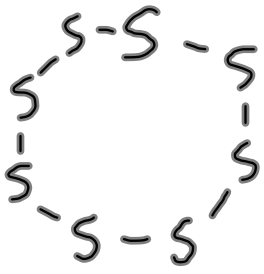

2p
2s
1s
F
2p
2s
1s
F


2p
2s
1s
C


H Hydrogen 3
He Helium 10
Li Lithium 11
Be Beryllium 12
B Boron 13
C Carbon 14
N Nitrogen 15
O Oxygen 16
F Fluorine 17
Ne Neon 18
Na Sodium 19
Mg Magnesium 20
Al Aluminium 31
Si Silicon 32
P Phosphorus 33
S Sulfur 34
Cl Chlorine 35
Ar Argon 36
K Potassium 37
Ca Calcium 38
Sc Scandium 39
Ti Titanium 40
V Vanadium 41
Cr Chromium 42
Mn Manganese 43
Fe Iron 44
Co Cobalt 45
Ni Nickel 46
Cu Copper 47
Zn Zinc 48
Ga Gallium 49
Ge Germanium 50
As Arsenic 51
Se Selenium 52
Br Bromine 53
Kr Krypton 54
Rb Rubidium 55
Sr Strontium 56
Y Yttrium 57
Zr Zirconium 72
Nb Niobium 73
Mo Molybdenum 74
Tc Technetium 75
Ru Ruthenium 76
Rh Rhodium 77
Pd Palladium 78
Ag Silver 79
Cd Cadmium 80
In Indium 81
Sn Tin 82
Sb Antimony 83
Te Tellurium 84
I Iodine 85
Xe Xenon 86
Cs Cesium 87
Ba Barium 88
La Lanthanum 89
Hf Hafnium 104
Ta Tantalum 105
W Tungsten 106
Re Rhenium 107
Os Osmium 108
Ir Iridium 109
Pt Platinum 110
Au Gold 111
Hg Mercury 112
Tl Thallium 113
Pb Lead 114
Bi Bismuth 115
Po Polonium 116
At Astatine 117
Rn Radon 118
Fr Francium 119
Ra Radium 120
Ac Actinium 121
Rf Rutherfordium 122
Db Dubnium 123
Sg Seaborgium 124
Bh Bohrium 125
Hs Hassium 126
Mt Meitnerium 127
Ce Cerium 58
Pr Praseodymium 59
Nd Neodymium 60
Pm Promethium 61
Sm Samarium 62
Eu Europium 63
Gd Gadolinium 64
Tb Terbium 65
Dy Dysprosium 66
Ho Holmium 67
Er Erbium 68
Tm Thulium 69
Yb Ytterbium 70
Lu Lutetium 71
Th Thorium 90
Pa Protactinium 91
U Uranium 92
Np Neptunium 93
Pu Plutonium 94
Am Americium 95
Cm Curium 96
Bk Berkelium 97
Cf Californium 98
Es Einsteinium 99
Fm Fermium 100
Md Mendelevium 101
No Nobelium 102
Lr Lawrencium 103

Molecular Models

What are the three-dimensional structures of the molecular substances: water (H_2O), hydrogen peroxide (H_2O_2), hydrogen sulfide (H_2S), methane (CH_4), methanol (CH_3OH), ethanol (C_2H_5OH), propane (C_3H_8), ammonia (NH_3), chlorine and sulfur (cyclooctasulfur)?

Name	Molecular Formula	Structural Diagram
water	H_2O	
	Cl_2	Cl-Cl
		

Molecular Compounds Worksheet