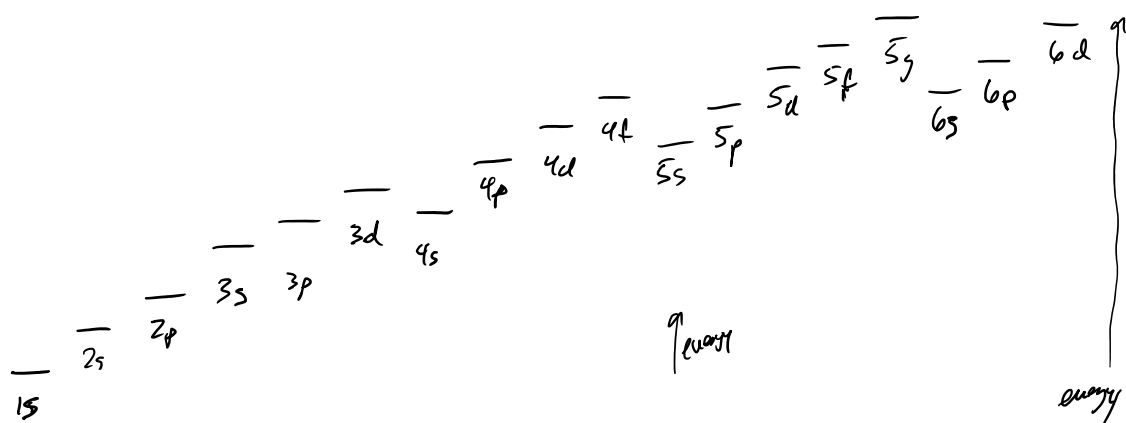


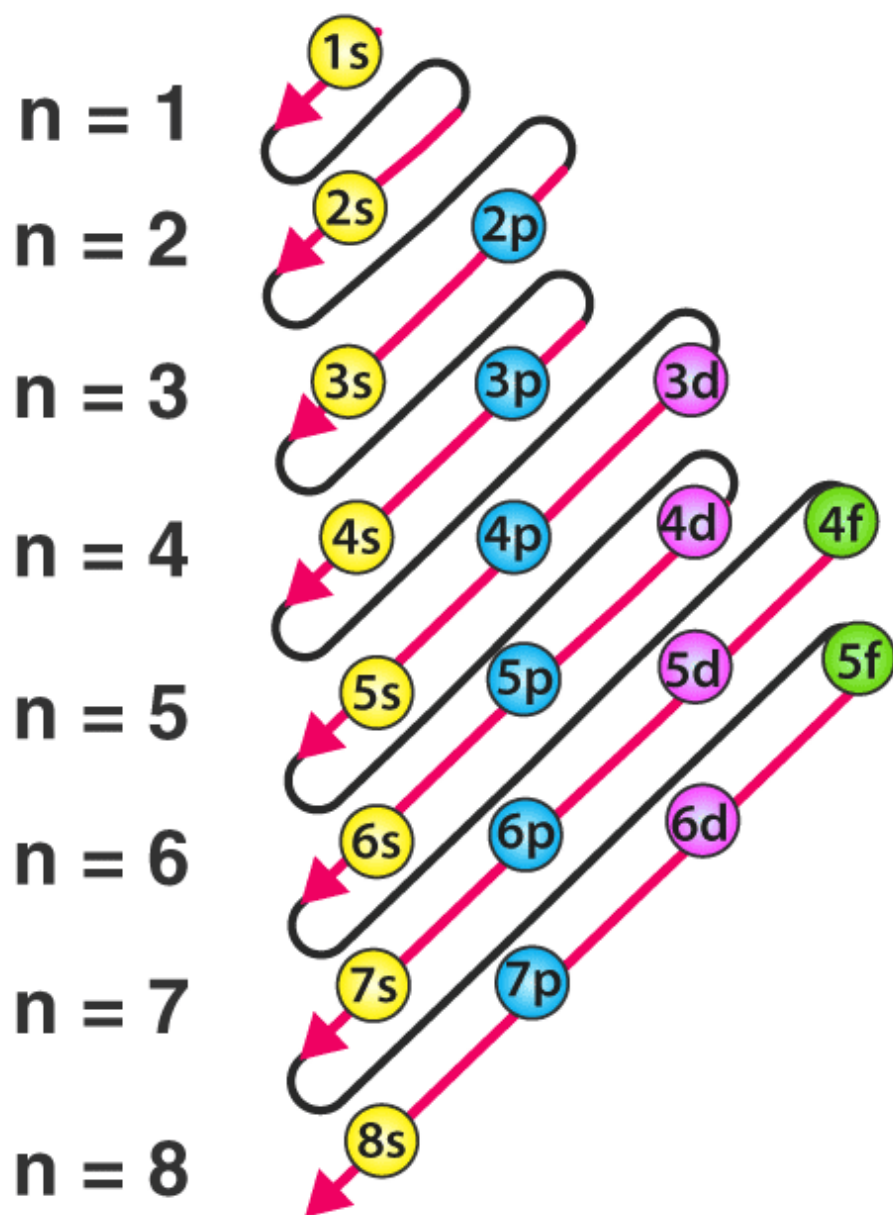
1s			
2s	2p		
3s	3p	3d	
4s	4p	4d	4f
5s	5p	5d	5f
6s	6p	6d	6f
7s	7p	7d	7f
8s	8p	8d	8f
2	6	10	14

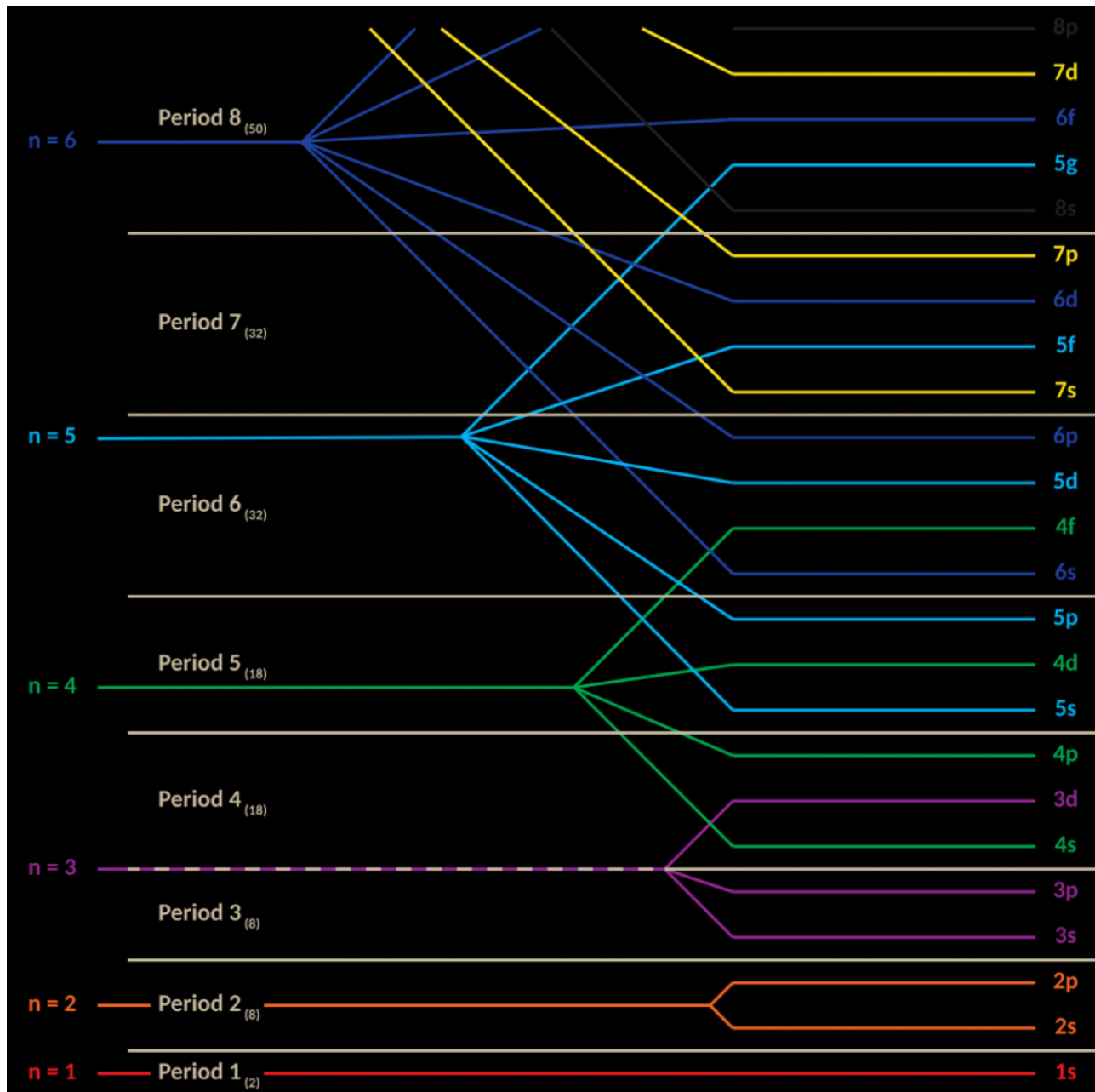


November 1, 2024 9:12 AM

1 H Hydrogen [1s ¹]	<div> <div>1</div> <div>Atomic Number</div> </div> <div> <div>H</div> <div>Hydrogen</div> <div>1s¹</div> </div> <div> <div>Symbol</div> <div>Name</div> <div>Electron Configuration</div> </div>																
3 Li Lithium [He] 2s ¹	4 Be Beryllium [He] 2s ²	5 B Boron [He] 2s ² 2p ¹	6 C Carbon [He] 2s ² 2p ²	7 N Nitrogen [He] 2s ² 2p ³	8 O Oxygen [He] 2s ² 2p ⁴	9 F Fluorine [He] 2s ² 2p ⁵	10 Ne Neon [He] 2s ² 2p ⁶	11 Na Sodium [Ne] 3s ¹	12 Mg Magnesium [Ne] 3s ²	13 Al Aluminum [Ne] 3s ² 3p ¹	14 Si Silicon [Ne] 3s ² 3p ²	15 P Phosphorus [Ne] 3s ² 3p ³	16 S Sulfur [Ne] 3s ² 3p ⁴	17 Cl Chlorine [Ne] 3s ² 3p ⁵	18 Ar Argon [Ne] 3s ² 3p ⁶		
19 K Potassium [Ar] 4s ¹	20 Ca Calcium [Ar] 4s ²	21 Sc Scandium [Ar] 3d ¹ 4s ²	22 Ti Titanium [Ar] 3d ² 4s ²	23 V Vanadium [Ar] 3d ³ 4s ²	24 Cr Chromium [Ar] 3d ⁵ 4s ¹	25 Mn Manganese [Ar] 3d ⁵ 4s ²	26 Fe Iron [Ar] 3d ⁶ 4s ²	27 Co Cobalt [Ar] 3d ⁷ 4s ²	28 Ni Nickel [Ar] 3d ⁸ 4s ²	29 Cu Copper [Ar] 3d ¹⁰ 4s ¹	30 Zn Zinc [Ar] 3d ¹⁰ 4s ²	31 Ga Gallium [Ar] 3d ¹⁰ 4s ² 4p ¹	32 Ge Germanium [Ar] 3d ¹⁰ 4s ² 4p ²	33 As Arsenic [Ar] 3d ¹⁰ 4s ² 4p ³	34 Se Selenium [Ar] 3d ¹⁰ 4s ² 4p ⁴	35 Br Bromine [Ar] 3d ¹⁰ 4s ² 4p ⁵	36 Kr Krypton [Ar] 3d ¹⁰ 4s ² 4p ⁶
37 Rb Rubidium [Kr] 5s ¹	38 Sr Strontium [Kr] 5s ²	39 Y Yttrium [Kr] 4d ¹ 5s ²	40 Zr Zirconium [Kr] 4d ² 5s ²	41 Nb Niobium [Kr] 4d ⁴ 5s ¹	42 Mo Molybdenum [Kr] 4d ⁵ 5s ¹	43 Tc Technetium [Kr] 4d ⁵ 5s ²	44 Ru Ruthenium [Kr] 4d ⁷ 5s ¹	45 Rh Rhodium [Kr] 4d ⁸ 5s ¹	46 Pd Palladium [Kr] 4d ¹⁰	47 Ag Silver [Kr] 4d ¹⁰ 5s ¹	48 Cd Cadmium [Kr] 4d ¹⁰ 5s ²	49 In Indium [Kr] 4d ¹⁰ 5s ² 5p ¹	50 Sn Tin [Kr] 4d ¹⁰ 5s ² 5p ²	51 Sb Antimony [Kr] 4d ¹⁰ 5s ² 5p ³	52 Te Tellurium [Kr] 4d ¹⁰ 5s ² 5p ⁴	53 I Iodine [Kr] 4d ¹⁰ 5s ² 5p ⁵	54 Xe Xenon [Kr] 4d ¹⁰ 5s ² 5p ⁶
55 Cs Cesium [Xe] 6s ¹	56 Ba Barium [Xe] 6s ²	* 	72 Hf Hafnium [Xe] 4f ¹⁴ 5d ² 6s ²	73 Ta Tantalum [Xe] 4f ¹⁴ 5d ³ 6s ²	74 W Tungsten [Xe] 4f ¹⁴ 5d ⁴ 6s ²	75 Re Rhenium [Xe] 4f ¹⁴ 5d ⁵ 6s ²	76 Os Osmium [Xe] 4f ¹⁴ 5d ⁶ 6s ²	77 Ir Iridium [Xe] 4f ¹⁴ 5d ⁷ 6s ²	78 Pt Platinum [Xe] 4f ¹⁴ 5d ⁹ 6s ¹	79 Au Gold [Xe] 4f ¹⁴ 5d ¹⁰ 6s ¹	80 Hg Mercury [Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	81 Tl Thallium [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹	82 Pb Lead [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ²	83 Bi Bismuth [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³	84 Po Polonium [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴	85 At Astatine [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵	86 Rn Radon [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶
87 Fr Francium [Rn] 7s ¹	88 Ra Radium [Rn] 7s ²	** 	104 Rf Rutherfordium [Rn] 5f ¹⁴ 6d ² 7s ²	105 Db Dubnium [Rn] 5f ¹⁴ 6d ³ 7s ²	106 Sg Seaborgium [Rn] 5f ¹⁴ 6d ⁴ 7s ²	107 Bh Bohrium [Rn] 5f ¹⁴ 6d ⁵ 7s ²	108 Hs Hassium [Rn] 5f ¹⁴ 6d ⁶ 7s ²	109 Mt Meitnerium [Rn] 5f ¹⁴ 6d ⁷ 7s ²	110 Ds Darmstadtium [Rn] 5f ¹⁴ 6d ⁸ 7s ²	111 Rg Roentgenium [Rn] 5f ¹⁴ 6d ⁹							

Oxygen - $[Ar] 7s^2 7p^6 5f^{14} 6d^{10}$





Iron (Fe) - example

