

Study of S and P Block Elements

Mnemonics



May I have a large container of coffee, cream and sugar?

PERIODIC TABLE OF THE ELEMENTS

Graphics created By Sai Sir : 9664080155

hydrogen 1 H 1.0079																	helium 2 He 4.0026					
lithium 3 Li 6.941	beryllium 4 Be 9.0122	ALKALI METALS					METALS										boron 5 B 10.811	carbon 6 C 12.011	nitrogen 7 N 14.007	oxygen 8 O 15.999	fluorine 9 F 18.998	neon 10 Ne 20.180
		ALKALINE EARTH METALS					METALLOIDS (OTHER METALS)															
		TRANSITION METALS					NON-METALS															
		LANTHANIDES					HALOGENS															
		ACTINIDES					NOBLE GASES															
sodium 11 Na 22.990	magnesium 12 Mg 24.305	scandium 21 Sc 44.956	titanium 22 Ti 47.867	vanadium 23 V 50.942	chromium 24 Cr 51.996	manganese 25 Mn 54.938	iron 26 Fe 55.845	cobalt 27 Co 58.933	nickel 28 Ni 58.693	copper 29 Cu 63.546	zinc 30 Zn 65.38	gallium 31 Ga 69.723	germanium 32 Ge 72.64	arsenic 33 As 74.922	selenium 34 Se 78.96	bromine 35 Br 79.904	krypton 36 Kr 83.798					
rubidium 37 Rb 85.468	strontium 38 Sr 87.62	yttrium 39 Y 88.906	zirconium 40 Zr 91.224	niobium 41 Nb 92.906	molybdenum 42 Mo 95.96	technetium 43 Tc [98]	ruthenium 44 Ru 101.07	rhodium 45 Rh 102.91	palladium 46 Pd 106.42	silver 47 Ag 107.87	cadmium 48 Cd 112.41	indium 49 In 114.82	tin 50 Sn 118.71	antimony 51 Sb 121.76	tellurium 52 Te 127.60	iodine 53 I 126.90	xenon 54 Xe 131.29					
caesium 55 Cs 132.91	barium 56 Ba 137.33	lanthanides 57-71 La	hafnium 72 Hf 178.49	tantalum 73 Ta 180.95	tungsten 74 W 183.84	rhenium 75 Re 186.21	osmium 76 Os 190.23	iridium 77 Ir 192.22	platinum 78 Pt 195.08	gold 79 Au 196.97	mercury 80 Hg 200.59	thallium 81 Tl 204.38	lead 82 Pb 207.2	bismuth 83 Bi 208.98	polonium 84 Po [209]	astatine 85 At [210]	radon 86 Rn [222]					
francium 87 Fr [223]	radium 88 Ra [226]	actinides 89-103 Ac	rutherfordium 104 Rf [261]	dubnium 105 Db [262]	seaborgium 106 Sg [266]	bohrium 107 Bh [264]	hassium 108 Hs [277]	meitnerium 109 Mt [268]	darmstadtium 110 Ds [271]	roentgenium 111 Rg [272]	ununbium 112 Uub [285]	ununbium 113 Uut [284]	ununquadium 114 Uuq [289]	ununpentium 115 Uup [288]	ununhexium 116 Uuh [292]	ununseptium 117 Uub [259.10]	ununbium 118 Uuo [294]					

Lanthanide Series

lanthanum 57 La 138.91	cerium 58 Ce 140.12	praseodymium 59 Pr 140.91	neodymium 60 Nd 144.24	promethium 61 Pm [145]	samarium 62 Sm 150.36	europium 63 Eu 151.96	gadolinium 64 Gd 157.25	terbium 65 Tb 158.93	dysprosium 66 Dy 162.50	holmium 67 Ho 164.93	erbium 68 Er 167.26	thulium 69 Tm 168.93	ytterbium 70 Yb 173.05	lutetium 71 Lu 174.97
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Actinide Series

actinium 89 Ac [227]	thorium 90 Th 232.04	protactinium 91 Pa 231.04	uranium 92 U 238.03	neptunium 93 Np [237]	plutonium 94 Pu [244]	americium 95 Am [243]	curium 96 Cm [247]	berkelium 97 Bk [247]	californium 98 Cf [251]	einsteinium 99 Es [252]	fermium 100 Fm [257]	mendelevium 101 Md [258]	nobelium 102 No [259]	lawrencium 103 Lr [262]
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S Block Group 1 Alkali Metals

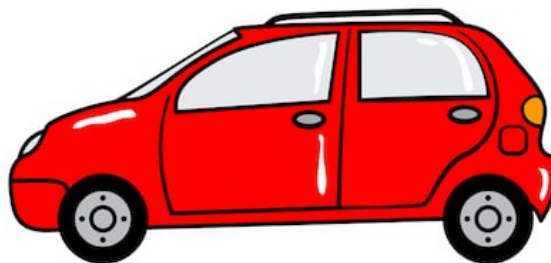


1	hydrogen	hydrogen 1 H 1.0079	1
+			
2	lithium	lithium 3 Li 6.941	2,1
+			
8	sodium	sodium 11 Na 22.990	2,8,1
+			
8	potassium	potassium 19 K 39.098	2,8,8,1
+			
18	rubidium	rubidium 37 Rb 85.468	2,8,8,18,1
+			
18	caesium	caesium 55 Cs 132.91	2,8,8,18,18,1
+			
32	francium	francium 87 Fr [223]	2,8,8,18,18,32,1

HaLiNa Ki Rb Csey Fryad

S Block Group 2 Alkaline earth metal

beryllium	beryllium 4 Be 9.0122	2,2
magnesium	magnesium 12 Mg 24.305	2,8,2
calcium	calcium 20 Ca 40.078	2,8,8,2
strontium	strontium 38 Sr 87.62	2,8,8,18,2
barium	barium 56 Ba 137.33	2,8,8,18,18,2
radium	radium 88 Ra [226]	2,8,8,18,18,32,2



Beta Mange Car Scooter Bap Razi

P Block Group 13 Boron Family

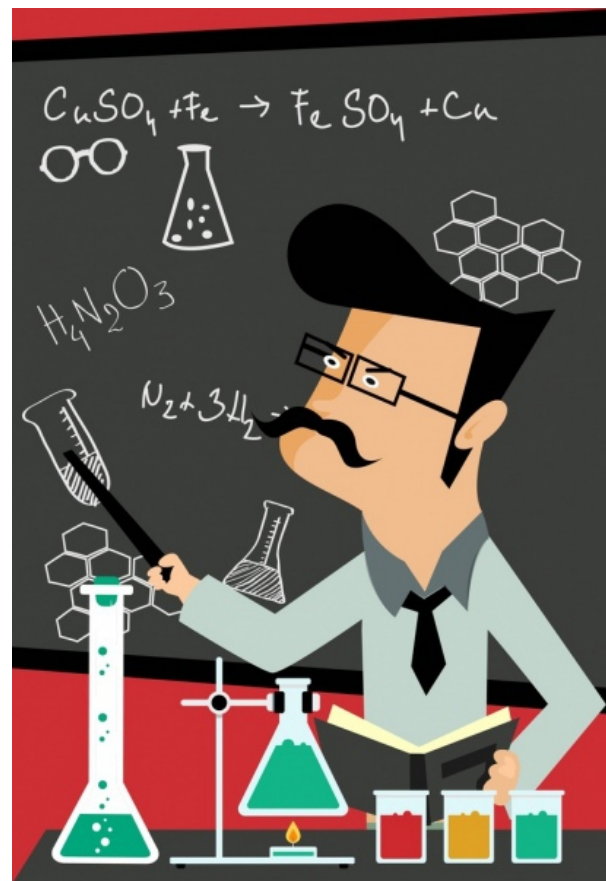
boron	boron 5 B 10.811	2,3
aluminium	aluminium 13 Al 26.982	2,8,3
gallium	gallium 31 Ga 69.723	2,8,18,3
indium	indium 49 In 114.82	2,8,18,18,3
thallium	thallium 81 Tl 204.38	2,8,18,18,32,3



Began, Aaloo, Gajar In Thela

P Block Group 14 Carbon Family

carbon	carbon 6 C 12.011	2,4
silicon	silicon 14 Si 28.086	2,8,4
germanium	germanium 32 Ge 72.64	2,8,18,4
tin	tin 50 Sn 118.71	2,8,18,18,4
lead	lead 82 Pb 207.2	2,8,18,18,32,4



Chemistry **Sir Gives Sanki Problems**

P Block Group 15 Nitrogen Family

nitrogen	nitrogen 7 N 14.007	2,5
phosphorus	phosphorus 15 P 30.974	2,8,5
arsenic	arsenic 33 As 74.922	2,8,18,5
antimony	antimony 51 Sb 121.76	2,8,18,18,5
bismuth	bismuth 83 Bi 208.98	2,8,18,18,32,5



Nana **P**atekar , **Ai**shwariya **Sab B**indass



P Block Group 16 Oxygen Family

oxygen	oxygen 8 O 15.999	2,6
sulfur	sulfur 16 S 32.065	2,8,6
selenium	selenium 34 Se 78.96	2,8,18,6
tellurium	tellurium 52 Te 127.60	2,8,18,18,6
polonium	polonium 84 Po [209]	2,8,18,18,32,6



Oye **Sun Saxena Teri Poi** Kholu ?



P Block Group 17 Halogens

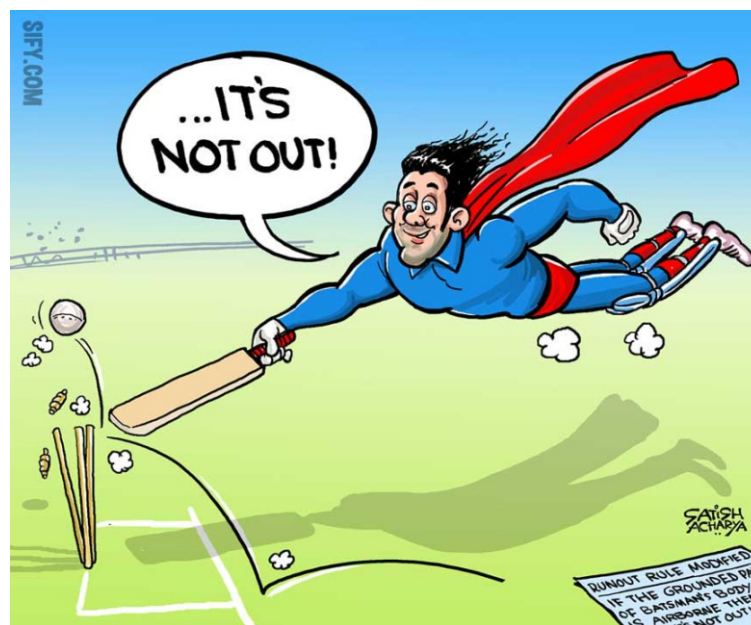
fluorine	<table border="1"><tr><td>fluorine</td></tr><tr><td>9</td></tr><tr><td>F</td></tr><tr><td>18.998</td></tr></table>	fluorine	9	F	18.998	2,7
fluorine						
9						
F						
18.998						
chlorine	<table border="1"><tr><td>chlorine</td></tr><tr><td>17</td></tr><tr><td>Cl</td></tr><tr><td>35.453</td></tr></table>	chlorine	17	Cl	35.453	2,8,7
chlorine						
17						
Cl						
35.453						
bromine	<table border="1"><tr><td>bromine</td></tr><tr><td>35</td></tr><tr><td>Br</td></tr><tr><td>79.904</td></tr></table>	bromine	35	Br	79.904	2,8,18,7
bromine						
35						
Br						
79.904						
iodine	<table border="1"><tr><td>iodine</td></tr><tr><td>53</td></tr><tr><td>I</td></tr><tr><td>126.90</td></tr></table>	iodine	53	I	126.90	2,8,18,18,7
iodine						
53						
I						
126.90						
astatine	<table border="1"><tr><td>astatine</td></tr><tr><td>85</td></tr><tr><td>At</td></tr><tr><td>[210]</td></tr></table>	astatine	85	At	[210]	2,8,18,18,32,7
astatine						
85						
At						
[210]						



Faltu **C**lass mein **B**oring Instructor **A**ata hai

P Block Group 18 Inert Gases/ Noble Elements

helium	helium 2 He 4.0026	2
neon	neon 10 Ne 20.180	2,8
argon	argon 18 Ar 39.948	2,8,8
krypton	krypton 36 Kr 83.798	2,8,8,18
xenon	xenon 54 Xe 131.29	2,8,8,18,18
radon	radon 86 Rn [222]	2,8,8,18,18,32



He Never Argue; Kal Xero Run pe out hua

