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Periodic Table Advanced (Quick Study)

Quick Study

Periodic Table

Advanced

18

2 He 4.003
Radium
18

ATOMIC NUMBER
ELEMENT SYMBOL
ATOMIC WEIGHT
ELEMENT NAME
ELECTRON CONFIGURATION
OXIDATION STATES
ATOMIC RADIUS
ELECTRON AFFINITY
ELECTRONEGATIVITY
IONIC RADIUS
1ST IONIZATION POTENTIAL

13	14	15	16	17
5 B 10.81	6 C 12.01	7 N 14.01	8 O 16.00	9 F 19.00
Boron	Carbon	Nitrogen	Oxygen	Fluorine
1s ² 2s ² 2p ¹	1s ² 2s ² 2p ²	1s ² 2s ² 2p ³	1s ² 2s ² 2p ⁴	1s ² 2s ² 2p ⁵
13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.07	17 Cl 35.45
Aluminum	Silicon	Phosphorus	Sulfur	Chlorine
[Ne] 3s ² 3p ¹	[Ne] 3s ² 3p ²	[Ne] 3s ² 3p ³	[Ne] 3s ² 3p ⁴	[Ne] 3s ² 3p ⁵

10	11	12	13	14	15	16	17	18
10 Ni 58.69	11 Cu 63.55	12 Zn 65.38	13 Ga 69.72	14 Ge 72.61	15 As 74.92	16 Se 78.96	17 Br 79.90	18 Kr 83.80
Nickel	Copper	Zinc	Gallium	Germanium	Arsenic	Selenium	Bromine	Krypton
[Ar] 3d ⁸ 4s ²	[Ar] 3d ¹⁰ 4s ¹	[Ar] 3d ¹⁰ 4s ²	[Ar] 3d ¹⁰ 4s ²	[Ar] 3d ¹⁰ 4s ²	[Ar] 3d ¹⁰ 4s ²	[Ar] 3d ¹⁰ 4s ²	[Ar] 3d ¹⁰ 4s ²	[Ar] 3d ¹⁰ 4s ²
46 Pd 106.4	47 Ag 107.87	48 Cd 112.41	49 In 114.82	50 Sn 118.71	51 Sb 121.76	52 Te 127.60	53 I 126.91	54 Xe 131.30
Palladium	Silver	Cadmium	Indium	Tin	Antimony	Tellurium	Iodine	Xenon
[Kr] 4d ¹⁰	[Kr] 4d ¹⁰ 5s ¹	[Kr] 4d ¹⁰ 5s ²	[Kr] 4d ¹⁰ 5s ²	[Kr] 4d ¹⁰ 5s ²	[Kr] 4d ¹⁰ 5s ²	[Kr] 4d ¹⁰ 5s ²	[Kr] 4d ¹⁰ 5s ²	[Kr] 4d ¹⁰ 5s ²
78 Pt 195.08	79 Au 196.97	80 Hg 200.59	81 Tl 204.38	82 Pb 207.2	83 Bi 208.98	84 Po 209	85 At 210	86 Rn 222
Platinum	Gold	Mercury	Thallium	Lead	Bismuth	Polonium	Astatine	Radon
[Xe] 4f ¹⁴ 5d ⁹ 6s ¹	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ¹	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²
110 Ds 271	111 Rg 272	112 Cn 285	113 Nh 286	114 Fl 289	115 Lv 293	116 Ts 294	117 Og 294	118 Og 294
Darmstadtium	Rutherfordium	Croconium	Nihonium	Flerovium	Livermorium	Tennessine	Oganesson	Oganesson
[Rn] 5f ¹⁴ 7s ²	[Rn] 5f ¹⁴ 7s ²	[Rn] 5f ¹⁴ 7s ²	[Rn] 5f ¹⁴ 7s ²	[Rn] 5f ¹⁴ 7s ²	[Rn] 5f ¹⁴ 7s ²	[Rn] 5f ¹⁴ 7s ²	[Rn] 5f ¹⁴ 7s ²	[Rn] 5f ¹⁴ 7s ²

HALOGENS

NOBLE GASES

55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71		
55 Eu 152.0	56 Gd 157.3	57 Tb 158.9	58 Dy 162.5	59 Ho 164.9	60 Er 167.3	61 Tm 168.9	62 Yb 173.1	63 Lu 175.1	64 Gd 157.3	65 Tb 158.9	66 Dy 162.5	67 Ho 164.9	68 Er 167.3	69 Tm 168.9	70 Yb 173.1	71 Lu 175.1		
Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium		
[Xe] 4f ⁶ 6s ²	[Xe] 4f ⁷ 6s ²	[Xe] 4f ⁷ 6s ²	[Xe] 4f ⁹ 6s ²	[Xe] 4f ⁹ 6s ²	[Xe] 4f ¹⁰ 6s ²	[Xe] 4f ¹¹ 6s ²	[Xe] 4f ¹² 6s ²	[Xe] 4f ¹³ 6s ²	[Xe] 4f ¹⁴ 6s ²	[Xe] 4f ¹⁴ 6s ²	[Xe] 4f ¹⁴ 6s ²	[Xe] 4f ¹⁴ 6s ²	[Xe] 4f ¹⁴ 6s ²	[Xe] 4f ¹⁴ 6s ²	[Xe] 4f ¹⁴ 6s ²			
85 At 210	86 Rn 222	87 Fr 223	88 Ra 226	89 Ac 227	90 Th 232	91 Pa 231	92 U 238	93 Np 237	94 Pu 244	95 Am 243	96 Cm 247	97 Bk 247	98 Cf 251	99 Es 252	100 Fm 257	101 Md 258	102 No 259	103 Lr 262
Astatine	Radon	Francium	Radium	Actinium	Thorium	Protactinium	Uranium	Neptunium	Plutonium	Americium	Curium	Berkelium	Californium	Einsteinium	Fermium	Mendelevium	Nobelium	Lanthanum
[Xe] 4f ¹⁴ 5d ⁵ 6p ⁵	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	



Synopsis

The ultimate reference tool and lab partner for any student of science, durably laminated and designed to fit as much info as possible in this handy 6-page format. Separate property tables are broken out for the ease of locating trends while studying and working while other pages offer essential notes about the table's organization and history. Consistently, a best seller since its first creation.

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The hole punches were too close to the edge and broke within a week. The guide itself is well laid out and useful for quick reference

It's great - very useful. The hole punches ARE too close to the edge though if you're going to use it in a binder. Otherwise though, worth the \$5 in my opinion.

I love it... Fits nicely in my binder. Everyone in my class wants to know where I got it!

This definitely helped for my exam in Chemistry

no comment

Basic chemistry in a nutshell and great for a review. I love it and refer to it often as I read other science books. I highly recommend it.

Excellent, used for tutoring high school chem student

Very helpful

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