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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 18.99
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
19 Ni 58.69	29 Cu 63.55	30 Zn 65.38
Nickel	Copper	Zinc
[Ar] 3d ⁸ 4s ²	[Ar] 3d ¹⁰ 4s ¹	[Ar] 3d ¹⁰ 4s ²
31 Ga 69.72	32 Ge 72.61	33 As 74.92
Gallium	Germanium	Arsenic
[Ar] 3d ¹⁰ 4s ² 4p ¹	[Ar] 3d ¹⁰ 4s ² 4p ²	[Ar] 3d ¹⁰ 4s ² 4p ³
34 Se 78.96	35 Br 79.90	36 Kr 83.80
Selenium	Bromine	Krypton
[Ar] 3d ¹⁰ 4s ² 4p ⁴	[Ar] 3d ¹⁰ 4s ² 4p ⁵	[Ar] 3d ¹⁰ 4s ² 4p ⁶
47 Ag 107.87	48 Cd 112.41	49 In 114.82
Silver	Cadmium	Indium
[Kr] 4d ¹⁰ 5s ¹	[Kr] 4d ¹⁰ 5s ²	[Kr] 4d ¹⁰ 5s ² 5p ¹
50 Sn 118.71	51 Sb 121.76	52 Te 127.60
Tin	Antimony	Tellurium
[Kr] 4d ¹⁰ 5s ² 5p ²	[Kr] 4d ¹⁰ 5s ² 5p ³	[Kr] 4d ¹⁰ 5s ² 5p ⁴
53 I 126.91	54 Xe 131.30	
Iodine	Xenon	
[Kr] 4d ¹⁰ 5s ² 5p ⁵	[Kr] 4d ¹⁰ 5s ² 5p ⁶	
78 Pt 200.59	79 Au 196.97	80 Hg 200.59
Platinum	Gold	Mercury
[Xe] 4f ¹⁴ 5d ⁹ 6s ¹	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ¹	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²
81 Tl 204.38	82 Pb 207.2	83 Bi 208.98
Thallium	Lead	Bismuth
[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³
84 Po 209	85 At 210	86 Rn 222
Polonium	Astatine	Radon
[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶
101 Md 258.10	102 No 259	103 Lr 262
Mendelevium	Nobelium	Lanthanum
[Rn] 5f ¹⁰ 6s ² 6p ⁶	[Rn] 5f ¹⁴ 6s ² 6p ⁶	[Rn] 5f ¹⁴ 6s ² 6p ⁶

HALOGENS

NOBLE GASES

53 Eu 152.0	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
[Xe] 4f ⁶ 6s ²	[Xe] 4f ⁷ 6s ²	[Xe] 4f ⁸ 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
89 Ac 227.0	90 Th 232.0	91 Pa 231.0	92 U 238.0	93 Np 237.0	94 Pu 244.0	95 Am 243.0	96 Cm 247.0	97 Bk 247.0
Actinium	Thorium	Protactinium	Uranium	Neptunium	Plutonium	Americium	Curium	Berkelium
[Rn] 5f ⁷ 6s ²	[Rn] 5f ¹⁴ 6s ²	[Rn] 5f ¹⁴ 6s ²	[Rn] 5f ³ 6s ²	[Rn] 5f ⁴ 6s ²	[Rn] 5f ⁶ 6s ²	[Rn] 5f ⁷ 6s ²	[Rn] 5f ⁸ 6s ²	[Rn] 5f ⁹ 6s ²
98 Cf 251.1	99 Es 252.1	100 Fm 257.1	101 Md 258.1	102 No 259	103 Lr 262			
Californium	Einsteinium	Fermium	Mendelevium	Nobelium	Lanthanum			
[Rn] 5f ¹⁰ 6s ²	[Rn] 5f ¹¹ 6s ²	[Rn] 5f ¹² 6s ²	[Rn] 5f ¹³ 6s ²	[Rn] 5f ¹⁴ 6s ²	[Rn] 5f ¹⁴ 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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Customer Reviews

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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