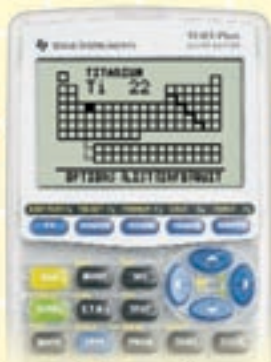


The Periodic Table App for the TI-83 Plus Silver Edition

Want access to a more interactive version of the periodic table that puts more information at your fingertips? Try the Periodic Table App for the TI-83 Plus Silver Edition, and learn why more power can help you learn more.



Titanium
Ti 22
 SYMBOL: Ti
 WEIGHT: 47.867
 PERIOD: 4
 GROUP: 4
 BLOCK: d
 GET HELP | LIST | TBL | INFO

Name — Titanium
 Atomic number — 22
 Symbol — Ti
 Atomic weight — 47.867

- 15 properties and facts about each element*
- Graphs of the periodic nature of the elements
- Easy navigation between the elements

1	Hydrogen 1 H 1.00794	2											18	Helium 2 He 4.002602				
2	Lithium 3 Li 6.941	Beryllium 4 Be 9.012182											Boron 5 B 10.81	Carbon 6 C 12.011	Nitrogen 7 N 14.00674	Oxygen 8 O 15.9994	Fluorine 9 F 18.9984032	Neon 10 Ne 20.1797
3	Sodium 11 Na 22.989768	Magnesium 12 Mg 24.3050											Aluminum 13 Al 26.981538	Silicon 14 Si 28.0855	Phosphorus 15 P 30.973762	Sulfur 16 S 32.066	Chlorine 17 Cl 35.4527	Argon 18 Ar 39.948
4	Potassium 19 K 39.0983	Calcium 20 Ca 40.078	Scandium 21 Sc 44.955910	Titanium 22 Ti 47.867	Vanadium 23 V 50.9415	Chromium 24 Cr 51.9961	Manganese 25 Mn 54.93805	Iron 26 Fe 55.845	Cobalt 27 Co 58.93320	Nickel 28 Ni 58.6934	Copper 29 Cu 63.546	Zinc 30 Zn 65.39	Gallium 31 Ga 69.723	Germanium 32 Ge 72.61	Arsenic 33 As 74.92159	Selenium 34 Se 78.96	Bromine 35 Br 79.904	Krypton 36 Kr 83.80
5	Rubidium 37 Rb 85.4678	Strontium 38 Sr 87.62	Yttrium 39 Y 88.90585	Zirconium 40 Zr 91.224	Niobium 41 Nb 92.90638	Molybdenum 42 Mo 95.94	Technetium 43 Tc 98	Ruthenium 44 Ru 101.07	Rhodium 45 Rh 102.90550	Palladium 46 Pd 106.42	Silver 47 Ag 107.8682	Cadmium 48 Cd 112.411	Indium 49 In 114.818	Tin 50 Sn 118.710	Antimony 51 Sb 121.760	Tellurium 52 Te 127.60	Iodine 53 I 126.90447	Xenon 54 Xe 131.29
6	Cesium 55 Cs 132.90543	Barium 56 Ba 137.327	Lanthanum 57 La 138.9055	Hafnium 72 Hf 178.49	Tantalum 73 Ta 180.9479	Tungsten 74 W 183.84	Rhenium 75 Re 186.207	Osmium 76 Os 190.23	Iridium 77 Ir 192.217	Platinum 78 Pt 195.08	Gold 79 Au 196.96654	Mercury 80 Hg 200.59	Thallium 81 Tl 204.3833	Lead 82 Pb 207.2	Bismuth 83 Bi 208.98037	Polonium 84 Po (209)	Astatine 85 At (210)	Radon 86 Rn (222)
7	Francium 87 Fr (223)	Radium 88 Ra (226)	Actinium 89 Ac (227)	Rutherfordium 104 Rf (261)	Dubnium 105 Db (262)	Seaborgium 106 Sg (263)	Bohrium 107 Bh (262)	Hassium 108 Hs (265)	Mitlerium 109 Mt (266)									
			Lanthanoids 6															
			Cerium 58 Ce 140.115	Praseodymium 59 Pr 140.90765	Neodymium 60 Nd 144.24	Promethium 61 Pm 145	Samarium 62 Sm 150.36	Europium 63 Eu 151.965	Gadolinium 64 Gd 157.25	Terbium 65 Tb 158.92534	Dysprosium 66 Dy 162.50	Holmium 67 Ho 164.93032	Erbium 68 Er 167.26	Thulium 69 Tm 168.93421	Ytterbium 70 Yb 173.04	Lutetium 71 Lu 174.967		
			Actinoids 7															
			Thorium 90 Th 232.0381	Protactinium 91 Pa 231.03888	Uranium 92 U 238.0289	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)		

Periodic Table App

For the TI-83 Plus and TI-83 Plus Silver Edition

How Do Apps Help Me?

Adding Apps to your educational technology means you can customize your handheld for study and additional practice in many subjects.

How do I get Apps?

Apps are available from TI's website by visiting education.ti.com/shop. Once you've registered (free, with no obligation), you can purchase individual copies of the Periodic Table App at a cost of \$7 (FREE for owners of the TI-83 Plus Silver Edition). Once you've downloaded your copy, make sure you save it and store it in a file on your computer. Once you've saved it, you can install it and uninstall it on your handheld technology as needed.

How do I load Apps on my TI educational handheld?

First, you will need to have a TI Connectivity Kit (TI Connect™ software and a TI Connectivity Cable USB). The TI Connectivity Kit is included with the TI-83 Plus Silver Edition and is available for purchase at your local retailer for other TI graphing handhelds. Complete instructions for adding Apps to your TI educational technology are included with the TI Connectivity Kit and are also available free on the TI website at education.ti.com/guides.

How do I use the Periodic Table App?

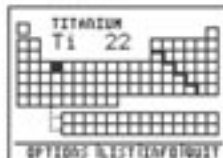
After loading the App on your educational handheld, you can access the Periodic Table App by pressing the APPS key. Using the arrow keys, scroll to the Periodic Table listing and press ENTER. From there, follow the instructions as they appear on your graphing handheld's screen.

For a look at one particular exercise within the Periodic Table App, walk through the demonstration that follows for yourself. This is a small sample of what the Periodic Table App can do. Explore further on your own or visit education.ti.com/apps for detailed guides on all of apps!

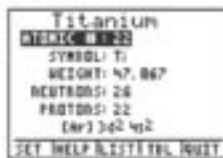
There are more than thirty Apps for the TI-83 Plus family of handhelds. Visit education.ti.com/apps for a complete listing and learn how to get Apps, many at no charge!

Exploring the Periodicity of the Periodic Table

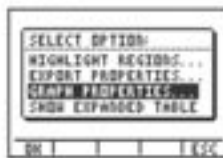
This App provides students with a graphical representation of the elements of the Periodic Table. Information includes 15 properties and facts about each element. Explore graphs of the periodic nature of the elements.



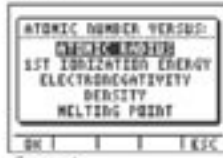
Screen 1



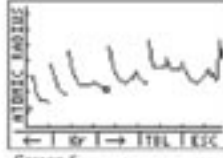
Screen 2



Screen 3



Screen 4



Screen 5

1

Press the blue [APPS] key, then using the [←] [→] keys, choose Periodic. Press [ENTER]. (See Screen 1)

2

Use [←] [→] [↑] [↓] to find a specific element and press [ENTER]. Use [←] [→] to examine the properties of that element. (See Screen 2) **NOTE:** [◀] [▶] [◀] [▶] [TRACE] [GRAPH] are the keys directly under the screen. They refer to the commands displayed above them on the TI-83 Plus screen.

3

Press [TBL] to return to the main Periodic Table screen.

4

Press [OPTIONS]. Highlight GRAPH PROPERTIES and press [ENTER]. (See Screen 3)

5

Highlight ATOMIC RADIUS and press [ENTER]. (See Screen 4)

6

Using [←] [→] or [←] [→] explore how atomic radius varies (See Screen 5) notice the element symbol changing in the bottom of the screen. You may explore other graphs by pressing [ESC], and selecting another graph.

7

When ready to leave the Periodic Table App, press [TBL] to return to the Periodic Table main screen, Press [QUIT] to exit the App and return the TI-83 Plus to its original state.