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Periodic Table Advanced (Quickstudy Reference Guides - Academic)

Periodic Table
ADVANCED
Atomic, Physical, Chemical Properties
and Natural Isotopes

Atomic Number: number of protons
Atomic Weight: weighted average of atomic masses of natural isotopes
Valence: number of the most stable isotopes for each radioactive element

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Synopsis

Advanced coverage of the periodic table. This periodic table includes extra tables for quick and easy reference. Â

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Customer Reviews

This is a terrific version of the periodic table for the serious science student. It has the atomic number, atomic weight, electronegativity, atomic radii and ionic radii, electron affinity, and 1st ionization potential. It even defines what these terms mean, but if you can use the information, you already know. This chart covers the front two pages of this laminated chart (quite durable). The back of the chart has eight versions of the table that cover enthalpy of atomization, natural forms (solid, liquid, gas), molar volume, density, enthalpy of vaporization, boiling point, enthalpy of fusion, melting point, specific heat capacity, and thermal conductivity. The other back page provides some chemical properties of the elements and common uses. All in all, a very interesting and useful chart. It might be overwhelming if all you are looking for is the name, symbol, and atomic number, though. As I noted, it is laminated for durability and it is also three-hole-punched so it will fit easily in a student's notebook.

The most up to date I have ... but still behind the times. Had names for elements up to 109. I know that element 110 and 111 have been named but the chart have them unnamed. Element 118 is on the chart even though the discoverers have removed their claim of discovery due to errors in their

detection equipment. The chart has the usual information on the elements as most charts will have ... Name, Atomic Symbol, Atomic Number, Atomic Weight, Density, Electron Configuration, Oxidation States, Melting Point, Boiling Point and more on all of the elements up to 103. All this info folds up and will fit in a standard 3 ring note book.

I like this a lot. It's on cardstock and it's laminated, and it really does help to have this open in front of you as you're working. It makes doing problems and calculations so much easier. In class people always wanted to borrow it. Bear in mind that professors often will NOT allow this to be used during exams--it really is a mini-textbook with all the information on the back. Very durable.

I have at least two dozen different Quick Study Charts, mostly on different areas of science and out of all them this has to be the coolest one. It's great as a quick reference when you need to look up something, or just to peruse to learn a bit more about any of the elements. Along with The Elements iPhone app (which is also really great if you don't have it yet) this is still the best visual aid out there for the elements. Last but not least, it's aesthetically well designed and the plastic construction of these things makes them just about indestructible. I have some that are decades old now and except for being scuffed up a bit the colors are still vivid and the print sharp. My only quip is that prices have gone up almost five times since I first bought them in the 70s for a buck each.

Torn between 4 and 5 stars. GREAT pullout with a ton of useful information. Downside is that it is a BUSY chart- and unless you are already familiar with the periodic table, can get confusing at times. There's just a LOT of info. I do like that, it just seems overwhelming if I just want a quick answer. So- I purchased a cheaper version that is much simpler, AND smaller for desktop use. Overall though, this is a great product especially if you are taking more than one chemistry course! It will last much longer!

This is the best Periodic Table in chart format that I have. And I have a few. This reference guide is chock full of information that really can be classified as a book. Remember those physical chemistry reference guides from the sixties and seventies? This chart encompasses information that used to take up about twenty to forty pages in the old guides. I have two suggestions that would improve this product even more. First, the color scheme depicting Electron Affinity and 1st Ionization Potential are too similar and one can get easily confused as to whether one is viewing the affinity or ionization property. Second, the punch holes used for placing the chart in a binder are too close to the edge of

the chart and with normal use are bound to split through the chart and thus dislodge the item from the binder. Other than the two suggestions above this is an excellent chart and a great value.

Simple Concept. Works well- you have the entire periodic table in front of you with the pertinent info; and since it fold, you can easily store it in a folder, binder, or backpack. Great for a quick reference!

It is as detailed as it gets. HOWEVER, it doesn't contain Livermorium, Ununseptium, or Ununoctium. It has elements 116, 117, and 118 listed as "Undiscovered". That's because the reference table it uses is CRC Handbook of Chemistry and Physics (81st edition) which was printed in 2000. If you just need this for chemistry class, it won't matter. My prof handed out a periodic table with far fewer elements listed. And almost none of the details.

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