

The Periodic Table of the Elements

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The periodic table displays elements organized by atomic number (1 to 118) and grouped into categories based on their chemical and physical properties. The callout for Iron (Fe) provides the following data:

- Atomic mass: 55.845
- Atomic number: 26
- Electronegativity: 1.83
- Chemical symbol: Fe
- Name: Iron
- Electron configuration: $[Ar] 3d^6 4s^2$
- Oxidation states: most common are +2, +3

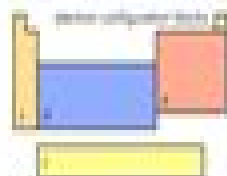
Legend:

- alkali metals
- alkaline earth metals
- other metals
- transition metals
- lanthanoids
- actinoids
- metalloids
- nonmetals
- halogens
- noble gases
- unknown elements
- radioactive elements (indicated by a yellow symbol)

atomic mass: 55.845
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 name: Iron
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alkali metals
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metalloids
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 unknown elements
 radioactive elements (found in parentheses)



Notes:
 1. s and p blocks (1-18) follow the Aufbau principle.
 2. f-block is at the bottom.
 3. All elements are subject to the same laws of physics.

La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No

Guide To The Periodic Table

Speedy Publishing

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the 'Speedy Publishing' text.

Guide To The Periodic Table:

Exploring the Elements Isabel Thomas, 2020 Science meets design in this comprehensive introduction to the chemical elements that make up our universe [Your Guide to the Periodic Table](#) , [A Kids' Guide to the Periodic Table](#) Edward P. Zovinka, Rose A. Clark, 2020-07-21 From aluminum to zinc make it fun for kids 8 to 12 to discover all 118 elements on the periodic table Discover the building blocks of the entire world A Kids Guide to the Periodic Table takes you on an incredible journey through history and science that will teach you all about the 118 elements that make up well everything Go in depth with awesome profiles on each and every element that provide all their important elemental stats like their atomic number state group and more as well as awesome facts about the element and its discovery Take what you know about science and the world to a new level as you discover what makes the periodic table of elements so amazing A Kids Guide to the Periodic Table includes The periodic table explained Learn about the creation of the periodic table and get tons of info to help you understand the groups the order of elements and more Amazing discoveries Explore how elements like neon helium and californium were discovered as well as what they've helped scientists do Fun for you Find out how exciting science can be with an entertaining look into all the ways the elements affect your everyday life A fun fact filled science adventure awaits you with A Kids Guide to the Periodic Table **The Periodic Table** Tom Jackson, 2020-02-04 Which is the densest element Which has the largest atoms And why are some elements radioactive From the little known uses of gold in medicine to the development of the hydrogen bomb this is a fresh new look at the Periodic Table Combining cutting edge science with fascinating facts and stunning infographics this book looks at the extraordinary stories of discovery amazing properties and surprising uses of each elements whether solid liquid or gas naturally occurring synthesised or theoretical From hydrogen to oganesson this is a fact filled visual guide to each element each accompanied by technical data category atomic number weight boiling point as well as fun facts and stories about their discovery and surprising uses *The Elements* Albert Stwertka, 2007-03-13 Students of chemistry and of life rejoice Put down your huge textbooks you're free This handy little guide will fit in your back pocket yet give volumes of detail about the elements enough to cover virtually any situation where you'd need to refer to the periodic table This useful tool is an abridged version of the Oxford University Press book A Guide to the Elements which was honored with major awards from Science Books and Films magazine and the Society of School Librarians International It also won the Parents Choice Gold Award This tiny edition provides brief surveys of all 114 elements and features an easy to read complete periodic table in a quick foldout **The Periodic Table** Paul Parsons, 2014-03-11 As one of the most recognizable images in science the periodic table is ingrained in our culture First drawn up in 1869 by Dmitri Mendeleev its 118 elements make up not only everything on our planet but also everything in the entire universe The Periodic Table looks at the fascinating story and surprising uses of each of those elements whether solid liquid or gas From the little known uses of gold in medicine to the development of the hydrogen bomb each entry is

accompanied by technical data category atomic number weight boiling point presented in easy to read headers and a colour coding system that helps the reader to navigate through the different groups of elements A remarkable display of thought provoking science and beautiful photography this guide will allow the reader to discover the world afresh **Elements Explorer** ,1998 *#A #beginner's Guide to the Periodic Table* Gill Arbuthnott,2014 *Your Guide to the Periodic Table* Gill Arbuthnott,2016-01-04 Your Guide to the Periodic Table is an easy to follow introduction to the elements that make up the periodic table of elements Each element is linked to a science story or fascinating fact from what makes sulfur smelly to what makes hydrogen explode and everything in between Packed with illustrations and explanatory diagrams prepare to be amazed by the most wacky and informative look at the periodic table ever **Chemistry Basics (Speedy Study Guide)** Speedy Publishing,2014-12-28 A study guide of chemistry basics would give students bite sized chunks of information on a complex subject making the task of learning it easier and more enjoyable Study guides present detailed information on a topic in a compact and simplistic way which helps the student grasp more of what they are being taught Also the visual aids that usually are found in study guides can be very effective in keeping the attention of the child as well as embedding the material in their memory

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