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August 18, 2017

ERIC WEISSTEIN'S
WORLD OF
CHEMISTRY

1 H Hydrogen 1.00794
2 IIA
3 Li Lithium 6.941
4 Be Beryllium 9.0122

495 entries, 603 cross-references, 31 figures, 0 animated graphics, 0 live Java applets, and counting...
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Logo

URL

<http://scienceworld.wolfram.com/chemistry/>

Subjects

Chemistry –Dictionaries
Chemical engineering –Dictionaries

Accessibility

Free

Language

English

Publisher

Wolfram Research Inc.

Brief History

Eric Weinstein's World of Chemistry has been assembled over more than a decade by Eric W. Weisstein with assistance from thousands of contributors. Since its contents first appeared online in 1995, World of Chemistry has emerged as a nexus of chemical information in both the chemistry and educational communities. It not only reaches millions of readers from all continents of the globe, but also serves as a clearinghouse for new chemical discoveries that are routinely contributed by researchers.

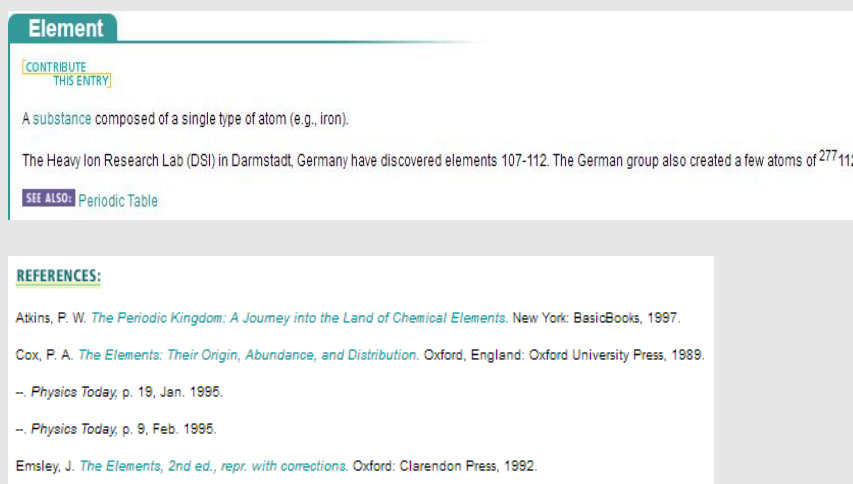
Scope and Coverage

This site includes nearly 495 entries, 603 cross-references and 31 figures, that covers various chemistry oriented topics. (As on 18th July, 2017).

Kind of Information

Meanings and definitions of different chemical concepts are present in this tool. Chemical terms also include graphs, figures and cross references. See and see also references are also available. Below of the each entry the references are present and how this entry can be cited in other works is represented.

An example is given below for clear understanding:



Element

[CONTRIBUTE THIS ENTRY](#)

A substance composed of a single type of atom (e.g., iron).

The Heavy Ion Research Lab (DSI) in Darmstadt, Germany have discovered elements 107-112. The German group also created a few atoms of ²⁷⁷112.

[SEE ALSO:](#) [Periodic Table](#)

REFERENCES:

Atkins, P. W. *The Periodic Kingdom: A Journey into the Land of Chemical Elements*. New York: BasicBooks, 1997.

Cox, P. A. *The Elements: Their Origin, Abundance, and Distribution*. Oxford, England: Oxford University Press, 1989.

--. *Physics Today*, p. 19, Jan. 1995.

--. *Physics Today*, p. 9, Feb. 1995.

Emsley, J. *The Elements, 2nd ed., repr. with corrections*. Oxford: Clarendon Press, 1992.

Special Features

- ❖ FAQ present for users.
- ❖ A powerful full-text search engine with both basic and advanced searching capabilities is also present.
- ❖ Link to other Wolfram sites (e.g.: Wolfram Alpha etc.) is seen.

Arrangement Pattern

Categories are arranged alphabetically in this dictionary. In the left side of the home page the categories are arranged such as Chemical reaction, Experimental chemistry, Inorganic chemistry, Organic chemistry etc. The categories are divided into various sub categories which are also arranged alphabetically. For example, under the category 'Inorganic chemistry', the sub categories like Acids and

Bases, Boron Chemistry, Chemical Elements, Chemical Properties, Electrochemistry, Isomers, Metals, Minerals, Phase Chemistry etc. are arranged. Sub categories are divided into further sub sub categories or entries like 'Metals' is divided into five entries: Class A Metal, Class B Metal, Congener, Metal, Metal Oxidation States etc.

Remarks

This user friendly dictionary on various chemistry terms is a great reference tool for the chemistry lovers.

Comparable Tools

- Mathematics Dictionary & Glossary for students (<http://www.itseeducation.asia/mathematics/>)
- Chemistry-dictionary.com (<http://www.chemistry-dictionary.com/>)

Date of Access

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