

NAMED CONCEPTS IN CHEMISTRY

(A – K)

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Solomon Farley Acree

18 December 1875 – 23 October 1957

American, b. McGregor, Texas, USA

Acree-Curtin-Hammett principle

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Wyndham John Albery

5 April 1936 -

British, b. England

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Normal Louis Allinger

6 April 1928 – 8 July 2020

American, b. Alameda, California, USA

Allinger force field

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Albert Louis Allred

19 September 1931 -

American, b. Mt. Airy, North Carolina, USA

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Carl Altman

15 January 1930 -

American, b. Brooklyn, New York, USA

King-Altman method

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Biographical references:

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Pierre Victor Auger

14 May 1899 – 24 December 1993

French, b. Paris, France

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Auger, P. *Compt. Rend.* **1923**, 177, 169
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John William Baker

10 March 1898 - 1967

British, b. London, England

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Johann Jakob Balmer



1 May 1825 - 12 March 1898

Swiss, b. Lausanne, Switzerland

Balmer series ($n \geq 3$ to $n = 2$)

Balmer, J.J., *Ann. Physik Chem.* **1885**, 25, 80

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Axel D. Becke

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Ronald Percy Bell

24 November 1907 - 9 January 1996

British, b. Maidenhead, Berkshire, England

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Boris Pavolich Belousov

1890s - 1973?

Russian, b. ?

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Richard Stephen Berry

9 April 1931 -

American, b. Denver, Colorado, USA

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John Betteley Birks

6 March 1920 -

British, b. Eccles, England

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Katherine Burr Blodgett

10 January 1898 - 12 October 1979

American, b. Schenectady, New York, USA

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Max Ernst August Bodenstein

15 July 1871 - 3 September 1942

German, b. Magdeburg, Germany

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Niels Hendrik David Bohr



7 October 1885 - 16 November 1962
Danish, b. Copenhagen, Denmark

Nobel Prize Physics 1922

Bohr correspondence principle
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Ludwig Edward Boltzmann



20 February 1844 - 5 September 1906
Austrian, b. Vienna, Austria

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Frederick George Bordwell

17 January 1916 -

American, b. Marmarth, North Dakota, USA

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Biographical references:

Max Born



11 December 1882 - 5 January 1970

German, b. Breslau, Germany, now Wroclaw, Poland

Nobel Prize Physics 1954

Born-Oppenheimer approximation

Born, M.; Oppenheimer, R., *Ann. Physik (Leipzig)* **1927**, 84, 457

Born postulate

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Satyendra Nath Bose



1 January 1894 - 4 February 1974
Indian, b. Calcutta, India

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Russell Jaye Boyd

11 September 1945 –

Canadian, b. Kelowna, British Columbia, Canada

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Frederick Sumner Brackett

1 August 1896 - ?

American, b. Claremont, California, USA

Brackett series ($n \geq 5$ to $n = 4$)

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Auguste Bravais

23 August 1811- 30 March 1863

French, b. Annonay, France

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Léon Nicolas Brillouin

7 August 1889 - 4 October 1969

French, b. Sèvres, Seine-et-Oise, France

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Johannes Nicolaus Brönsted



22 February 1879 - 17 December 1947

Danish, b. Varde, Jutland, Denmark

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Robert Brown

21 December 1773 - 10 June 1858

Scottish, b. Montrose, Scotland

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Stephen Brunauer

12 February 1903 - 1986

Hungarian-American, b. Budapest, Hungary

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Melvin Calvin



8 April 1911 - 8 January 1997

American, b. St. Paul, Minnesota, USA

Nobel Prize Chemistry 1961

Calvin cycle

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Nicholas Léonard Sadi Carnot



1 June 1796 - 24 August 1832

French, b. Paris, France

Carnot cycle

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David Leonard Chapman

6 December 1869 - 17 January 1958

British, b. Wells, Norfolk, England

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Joseph Chatt

6 November 1914 - 19 May 1994

British, b. Harden, England

Dewar-Chatt-Duncanson model

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Yves Chauvin

1931 – January 2015

French, b. ?

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Arthur Holly Compton



10 September 1892 - 15 March 1962

American, b. Wooster, Ohio, USA

Nobel Prize Physics 1927

Compton effect, Compton wavelength

Compton, A.H., *Phys. Rev.* **1923**, 21, 409

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Edward Uhler Condon

2 March 1902 - 26 March 1974

American, b. Alamogordo, New Mexico, USA

Franck-Condon transition, Franck-Condon factor, Franck-Condon principle

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Robert Brainard Corey

19 August 1897 - 23 April 1971

American, b. Springfield, Massachusetts, USA

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Koltun, W.L. *Biopolymers* **1965**, 3, 665

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Carl Ferdinand Cori

5 December 1896 - 19 October 1984

Czech-American, b. Prague, Czech Republic

Gerty Theresa Cori (née Radnitz)

8 August 1896 - 26 October 1957

Czech-American, b. Prague, Czech Republic

Nobel Prize Physiology & Medicine 1947

Cori cycle

Cori, C.F.; Cori, G.T. *J. Biol. Chem.* **1928**, 79, 309; 321

Cori, C.F.; Cori, G.T. *J. Biol. Chem.* **1929**, 81, 389

Biographical references:

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Lerner, J. *Biog. Memoirs Fellows Natl. Acad. Sci.* **1992**, 61, 111

Aimé Auguste Cotton

9 October 1869 - 16 April 1951

French, b. Bourg-en-Bresse, France

Cotton effect, Cotton-Mouton effect

Cotton, A., *Compt. Rend.* **1895**, 120, 989; 1044

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Francis Harry Compton Crick



8 June 1916 - 28 July 2004

British, b. Northampton, England

Nobel Prize Physiology and Medicine 1962

Watson-Crick base pairing

Watson, J.D.; Crick, F.H.C., *Nature* **1953**, 171, 737; 964

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