

NAMED RULES IN CHEMISTRY

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Kurt Alder



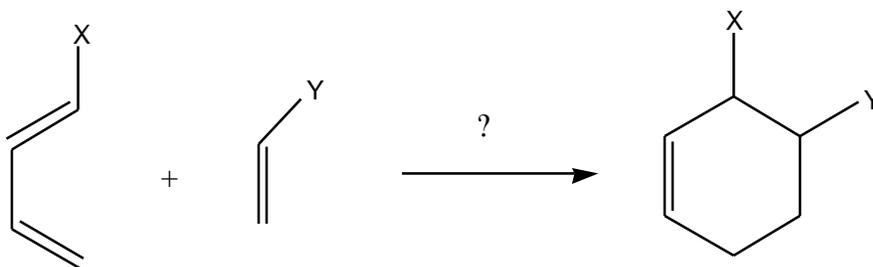
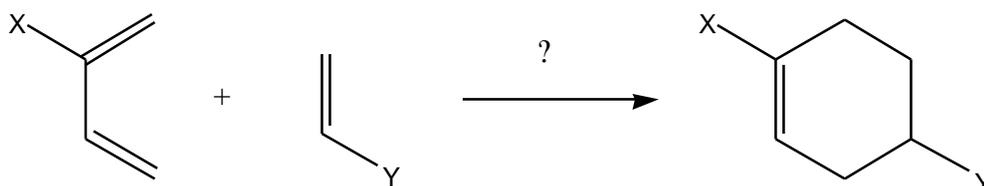
10 July 1902 - 20 June 1958

German, b. Königshütte, Upper Silesia, now Chorzow, Poland

Nobel Prize Chemistry 1950

Alder Rule

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Richard McLean Badger

4 May 1896 – 26 November 1974

American, b. Elgin, Illinois, USA

Badger rules, Badger equation

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Sir Jack E. Baldwin

1938 -

British, b. Bow Bells, U.K.

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Sidney William Benson

26 September 1918 -

American, b. New York, New York, USA

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Konrad Julius Bredt

29 March 1855 - 21 September 1937

German, b. Aachen, Germany

Bredt's Rule

Bredt, K.J., *Ann. Chem.* **1924**, 437, 1

Biographical References:

Daintith, J.; Mitchell, S.; Tootill, E.; Gjersten, D., *Biographical Encyclopedia of Scientists*, Institute of Physics Publishing: Bristol, UK, 1994

Robert Sidney Cahn

9 June 1899 – 15 September 1981

British, b. ?

Cahn-Ingold-Prelog Rules

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William Wallace Cleland

6 January 1930 -

American, b. Baltimore, Maryland, USA

Cleland rules

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Biographical references:

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Gerhard Ludwig Closs

1 May 1928 - 24 May 1992

German - American, b. Wuppertal, Germany

Kaptein-Closs Rules

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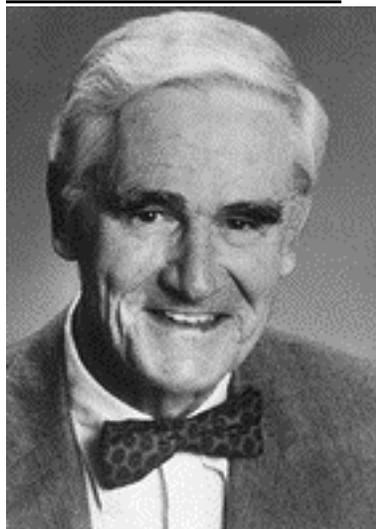
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Donald J. Cram



22 April 1919 – 17 June 2001

American, b. Chester, Vermont, USA

Nobel Prize Chemistry 1987

Cram's Rule

Cram, D.J.; Elhafez, F.A.A., *J. Am. Chem. Soc.* **1952**, 74, 5828

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Mostafa Amr El-Sayed

8 May 1933 -

Egyptian-American, b. Zifta, Egypt

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Lower, S.K.; El-Sayed, M.A., *Chem. Rev.* **1966**, 66, 199

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Kasimir Fajans



27 May 1887 - 18 May 1975

Polish, b. Warsaw, Poland

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Louis Frederick Fieser

7 April 1899 - 25 July 1977

American, b. Columbus, Ohio, USA

Biographical References:

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Mary Peters Fieser

27 May 1909 - 22 March 1997

American, b. Atchison, Kansas, USA

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Fieser-Woodward Rules

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George Gamow

4 March 1904 - 20 August 1968

Ukrainian, b. Odessa, Ukraine

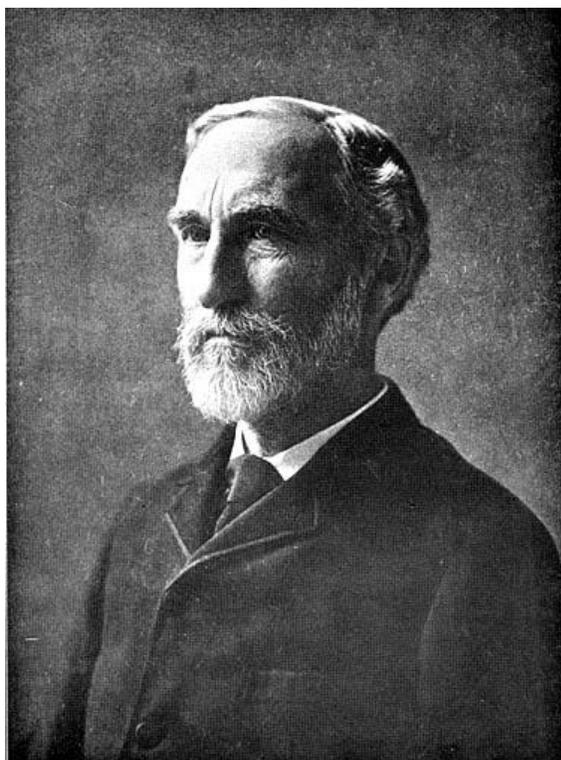
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Josiah Willard Gibbs



11 February 1839 - 28 April 1903

American, b. New Haven, Connecticut, USA

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Roald Hoffmann



18 July 1937 -

Polish-American, b. Zloczow, Poland, now Zolochev, Ukraine

Nobel Prize Chemistry 1981

Woodward-Hoffmann Rules

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August Wilhelm von Hofmann



8 April 1818 - 2 May 1892
German, b. Giessen, Germany

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Erich Armand Arthur Joseph Hückel

9 August 1896 - 16 February 1980

German, b. Berlin-Charlottenburg, Germany

Hückel's Rules

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Friedrich Hermann Hund

4 February 1896 – 31 March 1997

German, b. Karlsruhe, Germany

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Sir Christopher Kelk Ingold

28 October 1893 - 8 December 1970

British, b. Forest Gate, London, England

Cahn-Ingold-Prelog Rules

see Robert Sidney Cahn

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R. Kaptein

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Michael Kasha

6 December 1920 -

American, b. Elizabeth, New Jersey, USA

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Otto Laporte

23 July 1902 - 28 March 1971

German, b. Mainz, Germany

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Vladimir Vasilevich Markovnikov (also Markownikoff)

22 December 1838 - 11 February 1904

Russian, b. Knyaginino, Nizhegorodskaya (now Gorki region), Russia

Markovnikov's Rule

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Earl Leonard Muetterties

23 June 1927 -

American, b. Elgin, Illinois, USA

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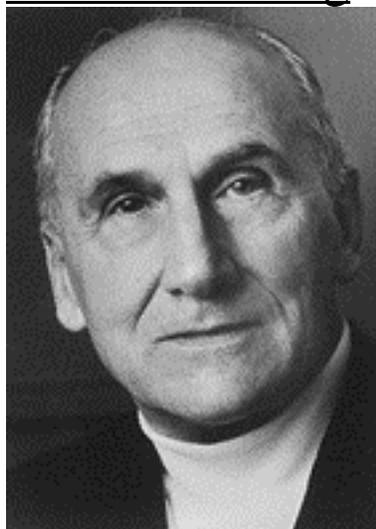
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Vladimir Prelog



23 July 1906 - 7 January 1998

Yugoslavian-Swiss, b. Sarajevo, Bosnia and Hercegovina

Nobel Prize Chemistry 1975

Cahn-Ingold-Prelog Rules

see Robert Sidney Cahn

Prelog's Rule

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Otto Redlich

4 November 1896 - ?

Austrian, b. Vienna, Austria

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Biographical references:

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Aleksandr Mikhailovich Saytzeff (also Zaitsev, Saytzev)

20 June 1841 - 2 September 1910

Russian, b. Kazan, Russia

Saytzeff's Rule

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Biographical References:

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James Nelson Shoolery

25 June 1925 -
American, b. Worland, Wyoming, USA

Shoolery NMR Rule

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Edward Teller



15 January 1908 -

Hungarian-American, b. Budapest, Hungary

Gamow-Teller Selection Rule

Biographical References:

Daintith, J.; Mitchell, S.; Tootill, E.; Gjersten, D., *Biographical Encyclopedia of Scientists*, Institute of Physics Publishing: Bristol, UK, 1994

Sergey Ivanovich Vavilov

24 March 1891 - 25 January 1951

Russian, b. Moscow, Russia

Kasha-Vavilov Rule

Biographical References:

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Paul Walden (Pavel Ivanovich)



P. Walden.

26 July 1863 - 22 January 1957
 Latvian-German, b. Cesis, Latvia

Walden's Rule

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Eugene Paul Wigner



17 November 1902 - 1 January 1995
 Hungarian-American, b. Budapest, Hungary

Nobel Prize Physics 1963

Wigner's Rules

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Robert Burns Woodward



10 April 1917 - 8 July 1979
American b. Boston, Massachusetts, USA

Nobel Prize Chemistry 1965

Woodward-Hoffmann Rules

See Roald Hoffmann

Fieser-Woodward Rules

see Louis Frederick Fieser and Mary Fieser

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