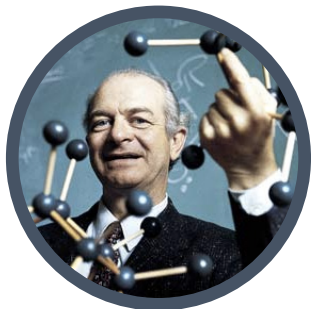


TODAY IN CHEMISTRY HISTORY

28TH FEBRUARY – LINUS PAULING'S BIRTHDAY



LINUS PAULING

BORN

28 February 1901

DIED

19 August 1994



Pauling is famed for his work on the nature of chemical bonding, for which he received a Nobel Prize in Chemistry. He proposed the Pauling electronegativity scale in 1932. He also carried out research on biological molecules.

ELECTRONEGATIVITY AND THE PAULING SCALE



COVALENT
BOND

0.0–0.4



POLAR
COVALENT

0.4–1.7



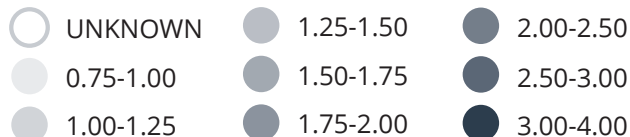
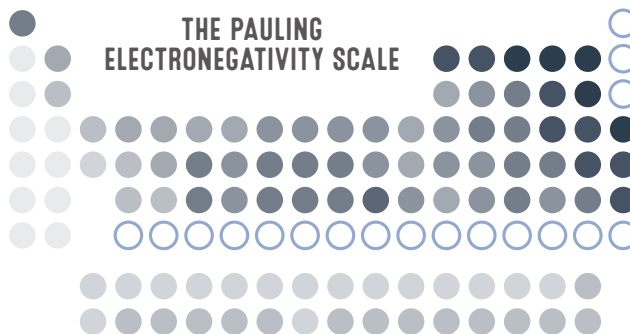
IONIC
BOND

>1.7

DIFFERENCE IN ELECTRONEGATIVITY VALUES

Electronegativity is a measure of the tendency of an atom to attract electrons when it is part of a compound. Generally, electronegativity increases moving towards the top right of the Periodic Table. The difference in electronegativity between two bonded atoms gives information on the nature of the chemical bond between them.

THE PAULING ELECTRONEGATIVITY SCALE



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