

History

Explore the discoverer's biography, including general facts about his life and anecdotes regarding how he made this particular discovery. Also see other significant scientific discoveries built largely on this concept and other real-world applications in history that may not still be relevant.

Discoverer/Developer

Gilbert Lewis (1875-1946) was born in Weymouth, Massachusetts. At the age of 14, Lewis started college at the University of Nebraska. After getting his PhD at Harvard, he taught at MIT. He eventually became a professor at the University of California, Berkeley. Lewis became part of the National Science Academy in 1913. He did work on relativity and light and matter interactions that complimented Einstein's work on the subject. His student Harold Urey received the Nobel Prize in Chemistry for discovering deuterium. In 1916, he published a paper on the covalent bond, and in 1923 he published his theory on acids and bases. The idea of giving students problem sets from which to practice and learn chemistry was largely due to Lewis and his teaching philosophy. Lewis was nominated for the Nobel Prize 35 times, but never received it. Found dead on the floor of his laboratory in Berkely, there is debate as to whether Lewis's death might have been a suicide.

Concept Definition

Study the primary definition of this concept, broken into general, basic, and advanced English definitions. Also see the mathematical definition and any requisite background information, such as conditions or previous definitions.

Basic

A Lewis acid accepts a pair of electrons while a Lewis base donates a pair of electrons.

Advanced

A Lewis acid accepts a pair of electrons while a Lewis base donates a pair of electrons.

Some examples include:

- 1.

2.

3.

Vocabulary

Learn important vocabulary for this concept, including words that might appear in assessments (tests, quizzes, homework, etc.) that indicate the use of this concept.

Important Vocabulary	Term	Context
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Classroom Demonstrations

Investigate lab procedures suitable for live classroom demonstrations or guided student exploration.

Demos **White Smoke**

Works Cited

Review the works cited to write the researched parts of this page, such as the discover's biographical information and other areas.

Works Cited

<http://www.woodrow.org/teachers/ci/1992/Lewis.html>