

# DICTIONARY OF ORGANIC CHEMISTRY

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**What is the official definition of organic chemistry?** Organic chemistry is the study of the structure, properties, composition, reactions, and preparation of carbon-containing compounds. Most organic compounds contain carbon and hydrogen, but they may also include any number of other elements (e.g., nitrogen, oxygen, halogens, phosphorus, silicon, sulfur).

**What are the best chemistry dictionaries?** Oxford Dictionary of Chemistry is a popular and authoritative guide to all aspects of its discipline. With over 5,000 entries, its broad coverage includes physical chemistry and biochemistry, and is heavily informed by the most current research.

**Who wrote the Oxford Dictionary of Chemistry?** A Dictionary of Chemistry - Jonathan Law; Richard Rennie - Oxford University Press.

**What does the term organic chemistry refer to?** Organic chemistry is the field of chemistry over the study of organic substances and compounds – that is, those that contain carbon in their molecular structure, combined with other elements such as hydrogen, nitrogen, oxygen, and sulfur.

**What makes organic chemistry so difficult?** You essentially need to know the mechanism of how the reaction works and be able to predict the product and reactant. Seems simple enough, right? The problem is there are hundreds of reactions you have to learn. You have to know them forwards, backwards, and inside out.

**Who is the father of organic chemistry?** Friedrich Wöhler is known as the father of organic chemistry. He was a German chemist and was the first person to isolate many numbers of elements. Wohler initially worked mainly on topics of inorganic chemistry and he was the first to obtain Beryllium and Yttrium in their pure form.

**What is the J word in chemistry?** Illustrated Glossary of Organic Chemistry - J. J (J): (1) The joule. An International System of Units energy unit equal to an applied force of one newton through a distance of one meter, or the energy equivalent to passing an electric current of one ampere through a resistance of one ohm for one second.

**What is the G word in chemistry?** G - Gadolinium to Group gadolinium - rare earth metal with element symbol Gd and atomic number 64. gallium - metal with element symbol Ga and atomic number 31. galvanic cell - electrochemical cell where reactions between dissimilar conductors occur through a salt bridge and electrolyte.

**What is the H word in chemistry?** Hydrogen is a chemical element; it has symbol H and atomic number 1.

**Why is Oxford dictionary so famous?** The Oxford English Dictionary (OED) is widely accepted as the most complete record of the English language ever assembled. Unlike typical language dictionaries, which only define words in terms of their current uses and meanings, the OED is a historical dictionary.

**Who is the owner of Oxford dictionary?** The Oxford English Dictionary (OED) is the principal historical dictionary of the English language, published by Oxford University Press (OUP), a University of Oxford publishing house.

**Who wrote most of the Oxford dictionary?** The remarkable story of the making of the first Oxford English Dictionary is told through the lens of two men who contributed greatly to its making: "the Professor," Professor James Murray, the overseeing editor, and "the Madman," Dr. W. C. Minor, who submitted more than 10,000 words.

**What is the nickname for organic chemistry?** "P-chem" is physical chemistry, "o-chem" or "orgo" is organic chemistry, "gen-chem" is general chemistry ... deal with it.

**Why is CO<sub>2</sub> not organic?** Organic molecules don't just contain carbon. They contain hydrocarbons or carbon bonded to hydrogen. But in carbondioxide, it is not present, so it is not an organic compound.

**What is 4 called in organic chemistry?**

**What is the hardest chapter in organic chemistry?** Organic Chemistry may seem easy at first, but it becomes challenging as you delve deeper into concepts like preparations. Thermodynamics and Equilibrium are considered the toughest chapters.

**Do most people fail organic chemistry?** Compared to those that precede it, Organic Chemistry boasts a high fail rate and attaining an A grade in the class seems like an unreasonably lofty aspiration to many.

**Which is harder, physics or organic chemistry?** If you are comfortable with advanced mathematics, physics will be fairly easy. If you have a hard time mastering huge quantities of material which must be understood one by one, instead of following from a basic principle, you'll have a tough time with organic chemistry.

**Who is known as the god of organic chemistry?** Guru Vishal Joshi sir, VJ sir is known as God of IOC. VJ sir is a great teacher. VJ sir is a teacher who resides in the heart of students. I like VJ sir.

**Who is the hero of organic chemistry?** Baldwin, hero of Organic Chemistry, passes away. Baldwin published his most significant work, Baldwin's rules for ring closure reactions, while a member of the MIT Chemistry faculty.

**What did Friedrich Wöhler disprove?** The vital force theory stated that organic compounds could not be made in a lab, but needed a mysterious, God-given power that was found only in living organisms. Friedrich Wöhler disproved this Theory in 1828.

**What is the official definition of organic?** a(1) : of, relating to, or derived from living organisms. (2) : relating to, yielding, dealing in, or involving the use of food produced with the use of feed or fertilizer of plant or animal origin without employment of chemically formulated fertilizers, growth stimulants, antibiotics, or

pesticides. organic stores.

**What is the standard definition of an organic compound?** By definition, an organic compound or molecule is a chemical compound that contains carbon atoms that are attached to hydrogen atoms with covalent bonds. The general formula of an organic compound includes the carbon-hydrogen bond, or (C-H).

**What is organic chemistry referred to as?** Organic chemistry is a subdiscipline within chemistry involving the scientific study of the structure, properties, and reactions of organic compounds and organic materials, i.e., matter in its various forms that contain carbon atoms.

**What is the basic concept of organic chemistry?** Today organic chemistry is the study of the chemistry of the carbon compounds, and inorganic chemistry is the study of the chemistry of all other elements. Organic chemistry is the study of carbon compounds, nearly all of which also contain hydrogen atoms.

### **Thermodynamics Property Tables: Cengel 7th Edition**

Thermodynamics property tables are an essential tool for engineers and scientists working in various fields. They provide tabular data for thermodynamic properties such as pressure, volume, temperature, and enthalpy for a wide range of substances.

**Q: What are the different types of thermodynamics property tables available in the Cengel 7th edition?**

A: The Cengel 7th edition includes two main types of property tables: saturation tables and superheated vapor tables. Saturation tables provide data for substances in the saturated liquid and saturated vapor states, while superheated vapor tables provide data for substances in the superheated vapor state.

**Q: How can I use the property tables to find the thermodynamic properties of a substance?**

A: To use the property tables, first identify the substance of interest. Then, locate the corresponding saturation table or superheated vapor table based on the substance's state. Interpolate between the values in the table to find the desired property.

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**Q: What are some examples of applications of thermodynamics property tables?**

A: Thermodynamics property tables are used in various engineering applications, including:

- Calculating heat transfer rates in heat exchangers
- Designing steam turbines and boilers
- Predicting the performance of refrigeration systems
- Optimizing combustion processes

**Q: Are there any limitations to using thermodynamics property tables?**

A: Thermodynamics property tables are limited to the substances and conditions for which they are available. They also do not account for the effects of impurities or mixtures.

**Q: What are some other resources available for obtaining thermodynamics property data?**

A: In addition to the Cengel 7th edition property tables, other resources for obtaining thermodynamics property data include the NIST Chemistry WebBook, the DIPPR database, and software such as EES (Engineering Equation Solver).

### **The Fox and the Hound: A Timeless Tale of Friendship and Loss**

Daniel P. Mannix's beloved novel, "The Fox and the Hound," has captivated generations of readers with its heartwarming yet poignant story of an unlikely friendship between a fox, Tod, and a hound, Copper.

**Question 1: Who authored "The Fox and the Hound"?** Answer: Daniel P. Mannix

**Question 2: Name the two main characters in the novel.** Answer: Tod the fox and Copper the hound

**Paragraph 2:**

Set in the beautiful woods of Maine, the story follows the two animals as they navigate the complexities of their different worlds. Despite their vastly different natures, Tod and Copper develop an unbreakable bond, initially bonded by their shared experiences as orphaned pups. As they grow, however, their contrasting instincts and societal expectations threaten to tear their friendship apart.

**Question 3: Where is the novel set?** Answer: Maine

**Question 4: What is the underlying theme of the story?** Answer: The challenges of friendship and the inevitability of societal divisions

**Paragraph 3:**

Mannix's vivid and evocative writing brings the characters and their world to life. The descriptions of the Maine wilderness are breathtaking, and the portrayal of Tod and Copper's fears and aspirations is deeply moving. The novel explores the complex dynamics between animals, humans, and the natural world, highlighting the challenges of maintaining harmony and the inevitability of loss.

**Question 5: What is the tone of the novel?** Answer: Heartwarming yet poignant

**Paragraph 4:**

"The Fox and the Hound" is a timeless tale that resonates with readers of all ages. It is a story about the power of friendship, the importance of accepting differences, and the bittersweet nature of loss. The novel has been adapted into several animated and live-action films, ensuring that its message continues to be shared with new audiences.

**Paragraph 5:**

Daniel P. Mannix's "The Fox and the Hound" is a literary masterpiece that has stood the test of time. Its rich characters, compelling story, and timeless themes make it a must-read for anyone who appreciates the beauty and complexity of friendship and the human experience.

## **The First Global Village: How Portugal Changed the World**

**Question:** How did Portugal transform into the first global village?

**Answer:** Under the leadership of Prince Henry the Navigator, Portugal embarked on extensive maritime explorations in the 15th century. Their navigators pioneered new trade routes, establishing connections with civilizations across Africa, Asia, and the Americas.

**Question:** What were the key factors behind Portugal's success as a maritime power?

**Answer:** Portugal's strategic location along the Atlantic coast, its advanced shipbuilding techniques, and the support of the Portuguese monarchy all contributed to its maritime dominance. The establishment of the first naval academy in 1418 also played a significant role in training skilled navigators.

**Question:** How did Portuguese exploration impact global trade?

**Answer:** Portuguese sailors carried spices, gold, and other valuable commodities from distant lands to European markets, stimulating economic growth and creating a global network of trade. They also established trading posts and colonies, which served as hubs for the exchange of goods and ideas.

**Question:** What were the cultural and social consequences of Portugal's global reach?

**Answer:** Portuguese exploration led to the spread of Christianity, European culture, and scientific knowledge to distant regions. It also resulted in a mixing of cultures, as Portuguese settlers and traders interacted with indigenous populations.

**Question:** How does Portugal's legacy as the first global village continue to shape the modern world?

**Answer:** Portugal's maritime explorations laid the foundation for modern globalization and interconnectedness. The country's role in establishing global trade routes and fostering cultural exchange has had a lasting impact on the world's economy, politics, and social fabric.

[thermodynamics property tables cengel 7th edition](#), [the fox and the hound daniel p mannix](#), [the first global village how portugal changed world martin page](#)

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