

# A Quick Glance on Chemistry: An Exploration of the Chemical World



## Quick Glance on Chemistry by Tamar Sloan

★★★★☆ 4.5 out of 5

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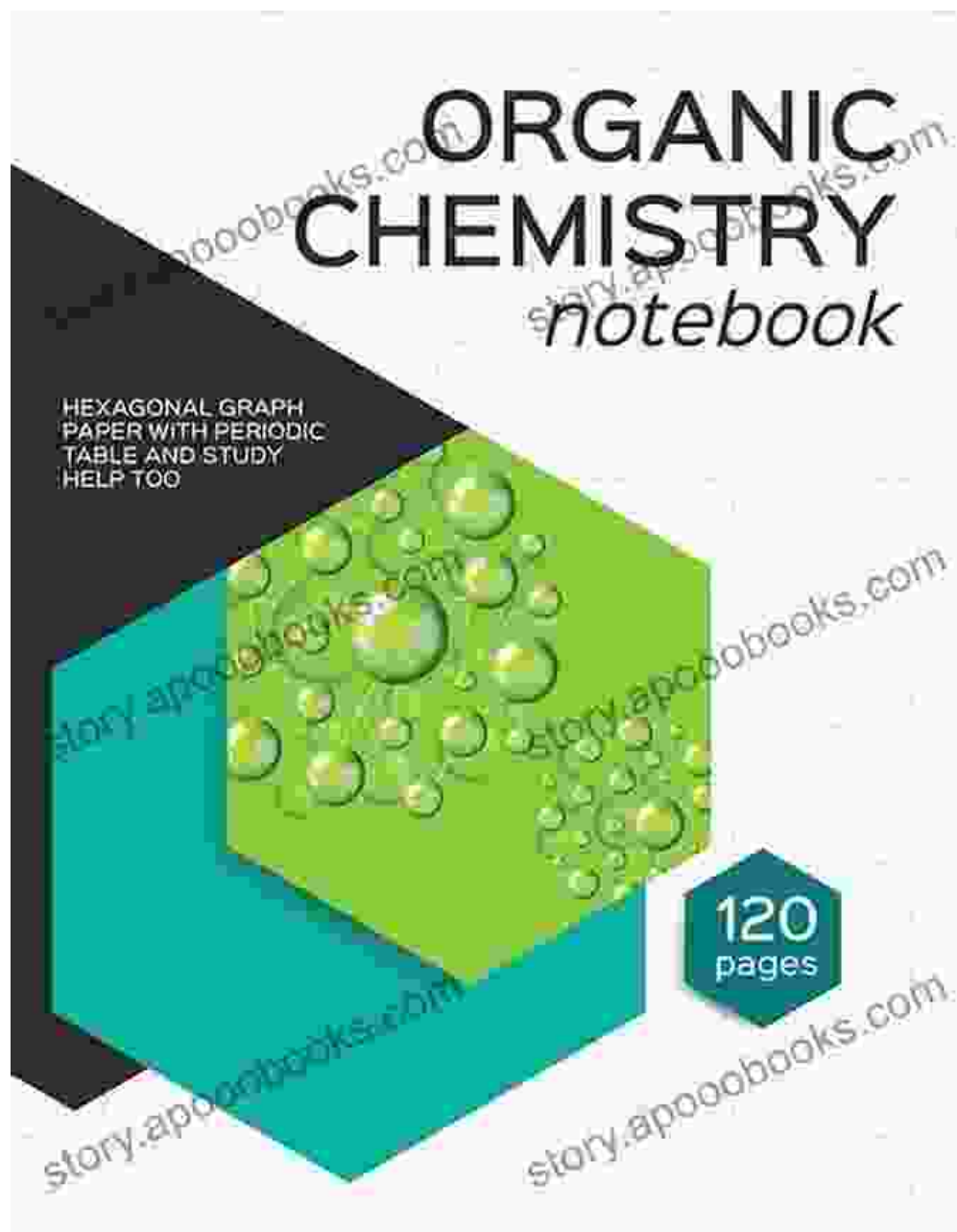
Enhanced typesetting : Enabled

Print length : 54 pages

Lending : Enabled



Chemistry is the study of matter and its properties. It is a vast and complex field, but it can be broken down into a few basic concepts. These concepts are essential for understanding how the world around us works. In her book, *A Quick Glance on Chemistry*, Tamar Sloan provides a clear and concise to the fundamentals of chemistry.



## What is Chemistry?

Chemistry is the study of matter and its properties. Matter is anything that has mass and takes up space. It can be found in all three states of matter: solid, liquid, and gas.

Chemists study the composition, structure, and properties of matter. They also study how matter changes and how it interacts with other matter.

Chemistry is used in a wide variety of fields, including medicine, engineering, and environmental science.

## The Basic Concepts of Chemistry

The basic concepts of chemistry include:

- **Atoms:** Atoms are the basic building blocks of matter. They are made up of a nucleus, which contains protons and neutrons, and electrons, which orbit the nucleus.
- **Molecules:** Molecules are formed when atoms bond together. The properties of a molecule depend on the atoms that make it up and the way they are bonded together.
- **Chemical reactions:** Chemical reactions are processes in which atoms and molecules rearrange themselves to form new substances.
- **Energy:** Energy is involved in all chemical reactions. Energy is released or absorbed when atoms and molecules bond together or break apart.

## Chemistry in the Real World

Chemistry is used in a wide variety of fields, including:

- **Medicine:** Chemistry is used to develop new drugs, vaccines, and treatments for diseases.
- **Engineering:** Chemistry is used to develop new materials, such as plastics, ceramics, and metals.

- **Environmental science:** Chemistry is used to study the environment and to develop ways to protect it.

## **A Quick Glance on Chemistry**

*A Quick Glance on Chemistry* is a clear and concise text on the fundamentals of chemistry. It is written in a conversational style that makes it easy to understand, even for beginners.

The book covers a wide range of topics, including:

- The structure of atoms and molecules
- The different types of chemical reactions
- The role of energy in chemical reactions
- The applications of chemistry in the real world

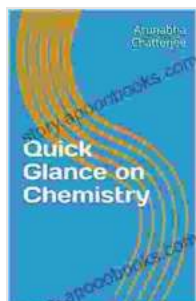
*A Quick Glance on Chemistry* is an essential resource for anyone who wants to learn more about this fascinating field.

## **About the Author**

Tamar Sloan is a chemist and science writer. She has written several books on chemistry, including *A Quick Glance on Chemistry* and *Chemistry for Dummies*. Sloan is a passionate advocate for science education and she believes that everyone can learn to love chemistry.

*A Quick Glance on Chemistry* is a valuable resource for anyone who wants to learn more about this fascinating field. It is written in a clear and concise style that makes it easy to understand, even for beginners. The book covers a wide range of topics, including the structure of atoms and

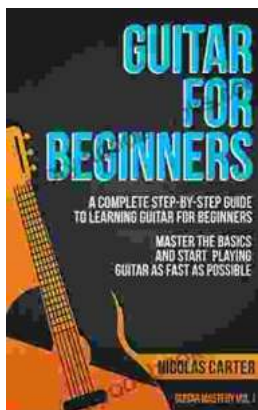
molecules, the different types of chemical reactions, the role of energy in chemical reactions, and the applications of chemistry in the real world. A *Quick Glance on Chemistry* is an essential resource for anyone who wants to learn more about this fascinating field.



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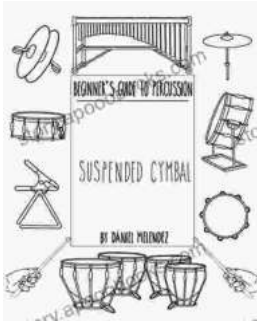
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