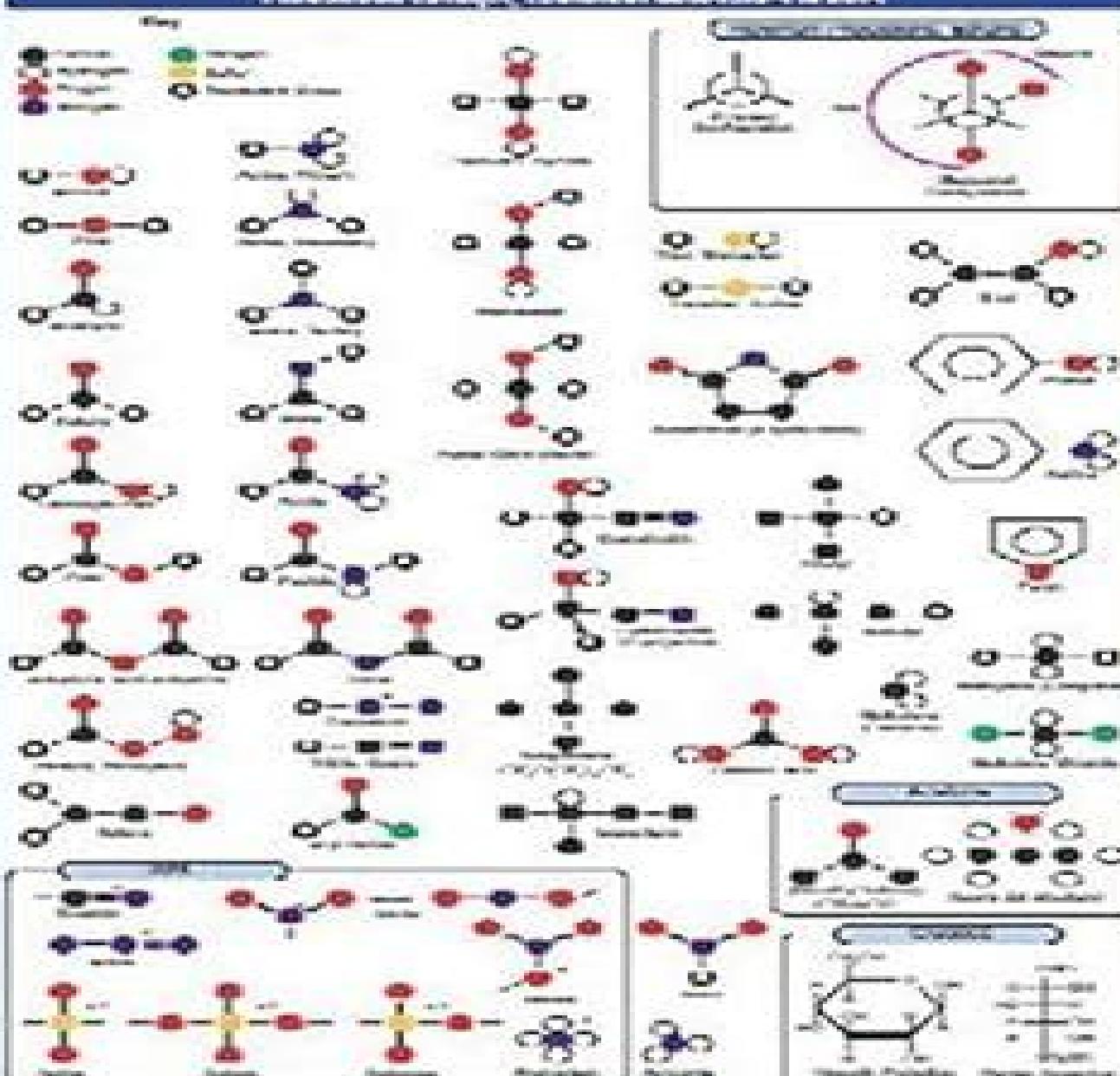


# Organic Chemistry

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## Introduction to Organic Compounds



## Properties of Organic Compounds

Organic Compounds: Organic compounds are molecules containing carbon atoms. They are the basis of all living things and are also found in many non-living substances. Organic compounds are typically composed of carbon atoms bonded to hydrogen, oxygen, and nitrogen atoms. They can be simple molecules like methane or complex molecules like proteins and nucleic acids. Organic compounds are often soluble in organic solvents like benzene and are insoluble in water. They are also often flammable and explosive.

**Properties of Organic Compounds**

- Flammability: Organic compounds are often flammable, especially those containing carbon and hydrogen. For example, methane is highly flammable and is used as a fuel in many applications.
- Insolubility in Water: Organic compounds are often insoluble in water. This is because water is a polar molecule and organic compounds are typically non-polar. For example, oil and water do not mix.
- Volatility: Organic compounds are often volatile, meaning they tend to evaporate easily. This is because they have relatively weak intermolecular forces.
- Biodegradability: Organic compounds are often biodegradable, meaning they can be broken down by living organisms. This is important for the environment because it helps to prevent organic waste from accumulating.

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**G Psacharopoulos**

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**Organic Chemistry Fundamentals** Mark Jackson,2015-12-31 Quick Reference for the core essentials of a subject and class that is challenging at best and that many students struggle with In 6 laminated pages our experienced chemistry author and professor gathered key elements organized and designed to use along with your text and lectures as a review before testing or as a memory companion that keeps key answers always at your fingertips As many students have said a must have study tool Suggested uses o Quick Reference instead of digging into the textbook to find a core answer you need while studying use the guide to reinforce quickly and repeatedly o Memory refreshing your memory repeatedly is a foundation of studying have the core answers handy so you can focus on understanding the concepts o Test Prep no student should be cramming but if you are there is no better tool for that final review

**The Organic Chem Lab Survival Manual** James W. Zubrick,2020-02-05 Teaches students the basic techniques and equipment of the organic chemistry lab the updated new edition of the popular hands on guide The Organic Chem Lab Survival Manual helps students understand the basic techniques essential safety protocols and the standard instrumentation necessary for success in the laboratory Author James W Zubrick has been assisting students navigate organic chemistry labs

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