

exist in two different forms, known as n-butane and iso-butane, which have different physical and chemical properties.

Carbon-based compounds are also important in medicine and pharmacology. Many drugs are organic compounds that are designed to interact with specific biological targets in the body. For example, in the video "Designing Drugs: The Art and Science of Medicinal Chemistry," we see how drugs like aspirin and penicillin are organic compounds that work by interacting with specific enzymes and proteins in the body.

In summary, carbon-based compounds are characterized by their ability to form stable covalent bonds with other carbon atoms, as well as with atoms of hydrogen, oxygen, nitrogen, and other elements. This gives rise to a vast array of molecules with different structures, properties, and functions. From the long chains of diamonds to the complex molecules of life, carbon-based compounds are essential to our world and our understanding of chemistry.

Preview from Notesale.co.uk
Page 2 of 2