





Vitalism

- The concept of vitalism was also called the vital force theory.
- •Organic matter was given a vital force that distinguished it from inorganic compounds.







By the mid-1800's it was apparent that there was no fundamental difference between organic and inorganic substances.

Origins of Organic Chemistry Organic chemistry is study of carbon compounds.

- Why is it so special?
- 90% of more than 30 million chemical compounds contain carbon.
- Examination of carbon in periodic chart answers some of these questions.
- Carbon is group 4A element, it can share 4 valence electrons and form 4 covalent bonds.



Why This Chapter?

- Review some general principles in chemistry:
 - Atoms
 - Bonds
 - Molecular geometry
 - Acids and bases

