

Compare these Branches of Chemistry with Your "Categories"

Chemistry - the study of the composition, structure, and properties of matter and the changes it undergoes

Branches of Chemistry

Analytical- the identification of the components and composition of materials

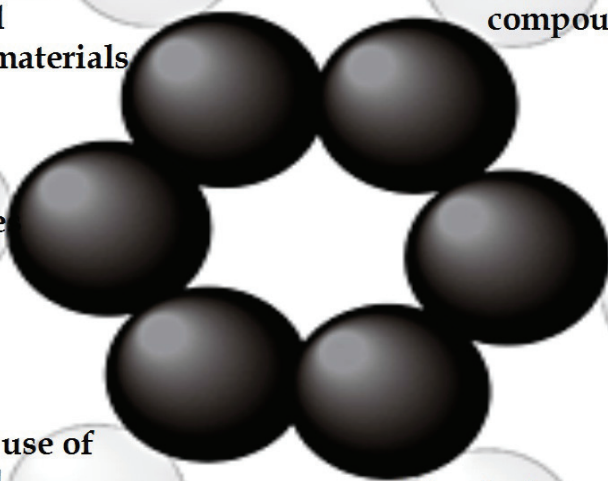
Organic - study of most carbon-containing compounds

Biochemistry- the study of substance and processes occurring in living things

Inorganic - study of all substances not classified as organic (those not containing carbon)

Theoretical - the use of mathematics and computers to design and predict the properties of new compounds

Physical- study of properties, changes, and relationships between energy and matter



Types of Research - this is pretty technical, but we will talk about the importance of research tomorrow.

Basic Research -

Carried out for the sake of increasing knowledge.

Chance discoveries (i.e. accidental discoveries) can be the result of basic research.



Technological Development-

The production and use of products that improve our quality of life. Remember: science is knowledge and technology is the application of that knowledge for practical purposes.

Applied Research -

Generally carried out to solve a problem.

