

- □Observations and Inferences
- □ Chemistry
- ■Scientific Method

UNIT OBJECTIVES

- Know the definition of chemistry and be knowledgeable about specific disciplines of chemistry
- Understand the nature of the scientific method and distinguish among hypothesis, theory, and law

Chemistry: The study of matter (what matter is made of a how matter changes)

Analytical Chemistry: The study of the composition of substances

Examples:
Pharmecticals
Water testing
Quality Control



Biochemistry: The study of living organisms matter

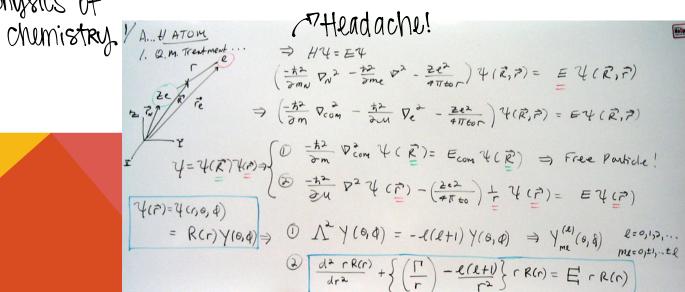
Examples: Medical Research



Physical Chemistry: The study of theories & experiments to describe chemical behaviors

Examples:

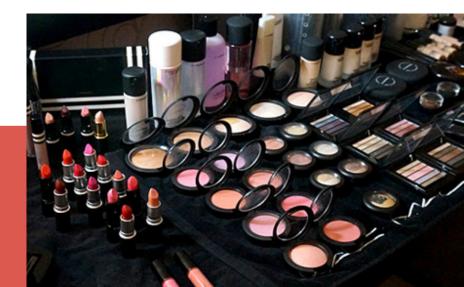
The physics of Chemistry



Organic Chemistry: The study of anything with carbon

Examples:

Pharmaceuticals Cosmetics Oil Industry Plastics



Inorganic Chemistry: The study of anything that does not have carbon

Examples: Steel Fireworks

