

What is Chemistry?

Chemistry is the study of the composition of matter and the changes that matter undergoes.



Matter is anything that (1) has mass and (2) occupies space.





Because living and nonliving things are made of matter, chemistry affects all aspects of life and most natural events. There are 5 traditional areas of study for chemistry:

- organic study of all chemicals containing carbon
- inorganic study of all chemicals that do not contain carbon
- biochemistry study of processes that take place in organisms
- analytical focuses on the composition of matter
- physical area that deals with the mechanism, the rate, and the energy transfer

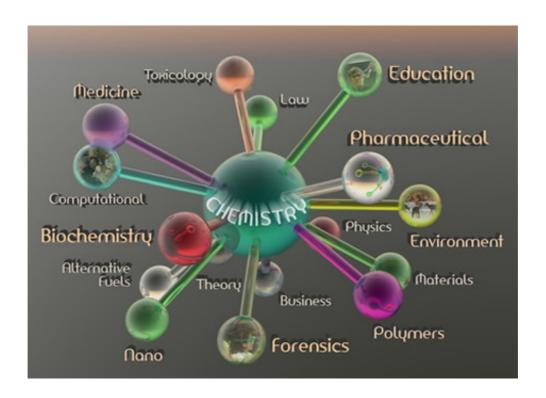
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Pure vs Applied Chemistry

Pure chemistry is the pursuit of chemical knowledge for its own sake. There may not be an immediate practical use.

Applied chemistry has a practical goal or application in mind.



Why study Chemistry?

Chemistry can be useful in explaining the world around us and preparing people for a variety of career opportunities

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