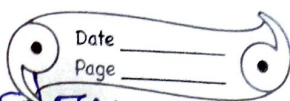


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## Ch-1



### Introduction to Chemistry

Be The branch of science deals with the study of composition and the physical and chemical properties and of various forms of matter is called chemistry.

Alchemy - Origin from greek word 'khemia' which means "art of transmuting metals".

Write any 5 importance in the field of Chemistry and give atleast 3 example of each.

Chemistry has played a vital role in our daily life. Thousands of important or useful substances are produced through chemical process. Here are some major fields where application and uses of chemistry are discussed below :-

\* Food and Agriculture - Food is the basic need of any society. For food we depend on agriculture.

Chemistry helped to development and application of advance technique in the field of agriculture. Chemistry also helped to providing agrochemical like fertilizer, pesticides, insecticides etc.

\* Industry - Chemistry has helped in growth of different industries. Chemistry helps to improve the efficiency of industrial process for which a large no. of products like plastics, paints, synthetic fibers, textiles, glass, petrochemicals, pharmaceutical drugs and many more can produced.

\* Minerals and Petroleum - Knowledge of Chemistry helped us to extraction of different metals from there ores and minerals. Petroleum products are separated with the help of chemical techniques.

Medicines :- Chemistry has led to discovery of a number of medicines, drugs which help to protect from diseases. Eg - Paracetamol, many antibiotics, vaccines and many more drugs help to fight diseases.

Clothing : Chemistry is widely used in textile industry. The knowledge of conversion of fibers into fabric based on chemical process. Eg - Synthetic fibers also made nylon, polyester, spandex etc. which are used in our daily life.