

Importance of chemistry:

↳ Food and agriculture: chemistry has helped farmers by providing them with agro-chemicals like fertilizers, pesticides, insecticides, fungicides and preservatives.

➤ Fertilisers: They are the chemical which provides essential nutrients to crops and thus increases the yield. Some of the important fertilizers are Urea, sodium nitrate, potash, ammonium phosphate and calcium nitrate etc.

➤ Pesticides: They are the chemicals to kill the pests. Malathion, parathion and aldrin etc. are some of Pesticides.

- Insecticides: ~~Toxetic~~ Insecticides like DDT and BHC are used to kill the insects.
- Fungicides: These are the chemicals that protect crops from the fungus. Examples of fungicides are Bordeaux mixture and sulphur.
- Preservatives: These are used to preserve the food for a longer time, sodium benzoate and potassium metabisulphate are well known preservatives.

2. Food processing and processed food: Food processing is the transformation of the raw food products that can be served to the consumer.

Examples - bread, jams, jelly etc.

3) minerals and petroleum: Knowledge gained through chemistry help in the extraction of metals from their ores. Petroleum products like ~~pet~~ petrol, diesel and wax etc. are separated from the crude oil with the help of chemical techniques.

4) Industry: The knowledge of chemistry enables us to improve the efficiency of industrial processes to produce a large number of consumer products like dyes, paints, plastics, textiles, soap and detergents etc.

5. Medicines: Extensive researches by chemists have led to the discovery of a number of medicinal drugs. Examples: aspirin, paracetamol, antibiotics like penicillin, antiseptics, etc. to kill germs and cure diseases.