

**HOLIDAY HOMEWORK**  
**CLASS 11th CHEMISTRY**

1. Kindly practice the numericals and revise the theory from the chapters covered in the syllabus.
2. Kindly make a PPT on any 1 of the topics given below also include the references used for making the presentation.

Suggested Assignment Topics:

1. Amino acids:Peptides,structure and classification, protein structure and their role in the growth of living beings.
2. Nucleic Acid: DNA and RNA - their structure.  
Unique nature. Importance in evolution and their characteristic features.
3. Carbohydrates and their metabolism, Blood - haemoglobin and respiration.
4. Vitamins and hormones
5. Simple idea of chemical evolution.
6. Natural polymers (any five) - structure, characteristics, uses. Synthetic polymers (any five) - method of preparation,structure, characteristics and uses.
7. Types of Dyes - methods of preparation, characteristics and uses.
8. Chemicals in medicines: antiseptics, antibiotics, antacids, etc. and their uses.
9. Preparation of soap, nail polish, boot polish, varnish, nail polish remover, shampoo and perfumes.
10. Chemicals and chemical processes in forensic studies.
11. Insecticides, pesticides and chemical fertilisers.
12. Ancient Indian medicines and medicinal plants.
13. Organic Chemistry in Nutrition, Food Science and Biotechnology.
14. Effect of Green House Gases.

15. How Plastics have changed the world,  
both socially and economically.