

## Holiday Homework

### Class—XI

### Chemistry (2026-27)

1) To inculcate Scientific temperament and for understanding the conceptual knowledge of chemistry, students have to prepare a “**GLOSSARY OF CHEMISTRY**”. Add relevant pictures, diagrams related to these discoveries. Use A-4 size sheets and write in neat handwriting. Glossary must comprise of 10 Chemistry terms (with their definition) of each alphabet including Laws, formulas, principles and microscale chemistry apparatus.

2) Make a video of you explaining any topic of Chemistry (of your choice) and send it to me ( 8-10 min. max.) ( No need to explain it on board using chalk or markers, just use the notebook pages or any aid you like to explain the topic.

3) Art Integration:- For School Science Department Notice Board

(a) To write a Science article of one page of your choice also well decorated.

(b) Model of any Chemistry topic .

(c) You can do story writing- Fiction based on Chemistry.

(d) You can compose rap song on chemistry topic and record.

4) Power Point Presentation on SDGs:

Study the Sustainable Development Goals (SDGs) set by “ UNITED NATIONS” and prepare a short , creative and well – illustrated Power Point presentation ( maximum 10 slides). Ensure that your presentation highlights how Chemistry plays a role in achieving these goals, with relevant examples and applications.

5) Look around you the areas where the concepts of Chemistry are used in day -to -day life, based on your understanding of “Chemistry Concepts”, write down one area where you applied Chemistry and made things easier and better for you and your family.

6) Experiments provide insight into “ Cause and Effect” by demonstrating what outcomes occurs when a particular factor is manipulated. Prepare

**a chemistry Investigatory Project on any one topic listed below:-  
Investigatory Project on any one topic listed below:-**

(a) **Waste to Chemicals**:- Transforming wastes and residues to energy, fuels and other useful chemicals.

(b) **Endangered Elements**:- Managing and extraction , use, reuse and alternative development for elements in the chemical enterprise that are facing critical supply risks.

(c) Chemistry in medicine

(d) Importance of metals in country's defence and economy.

Use A4 size sheets for the project including various newspaper clippings, images, latest discoveries and inventions relevant to the topic.

7) Complete and Revise your class notes. Also read and gather some information about Discovery of electrons, protons and neutrons.