

DELHI PUBLIC SCHOOL, JAMMU  
Summer Holiday's Homework (2021-2022)  
Class: XI  
Subject: Chemistry

*Chemistry helps you to understand the world around you. It helps us visualize and articulate our rationale for the steps in solving a problem.*

**I. Make an investigatory project report on any one of the following topics :**

1. Checking the bacterial contamination in drinking water by testing sulphide ion.
2. Study of the methods of purification of water.
3. Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium Carbonate on it.
4. Study the acidity of different samples of tea leaves.
5. Determination of the rate of evaporation of different liquids.
6. Study the effect of acids and bases on the tensile strength of fibers.
7. Study of acidity of fruit and vegetable juices.

**How to write an investigatory project:**

Students are required to get their project report handwritten on inter-leaf sheets and to represent in the best possible manner. The project report should be written in the following sequence:

**Title / Aim** – Name of the project.

**Introduction** – Information collected from various sources related to the topic.

**Observations** – Record your observations / data in the form of tables, graphs, photographs, etc.

**Results / Conclusion** – Give analysis of the data and compare your results with those available in the literature and draw conclusions.

**References** – Give the list of books, internet websites, magazines or journals you have consulted, for the project work.

**II. Revise your syllabus and make a small power point presentation on discoveries of proton, electron and neutron.**

**III. To make a video while performing an experiment: Action of saliva on starch.**

**References:**

- ✓ <http://www.icbse.com/>
- ✓ <http://www.sciencedaily.com/>
- ✓ <http://www.digg.com/>

**Note -**

1. Send your Holiday Homework by e-mail to your respective Subject Teacher by 13th of July, 2021. Your submission will carry 4 marks (2 marks- Subject Relevance & Research, 2 marks- Handwriting).
2. Practice for your Homework/ Project Presentation (5-6mins) to be held during virtual class after holidays. It will carry 6 marks. (2 marks- Confidence, 2 marks- Subject Clarity, 2 marks- Presentation Skills).

The schedule for presentation will be shared later. The teacher may ask 1 or 2 questions during the presentation

Class/Sec	Email -Id
XI-A	<a href="mailto:deepshak.saini24@gmail.com">deepshak.saini24@gmail.com</a>
XI-B	<a href="mailto:Tanvinderkour19@gmail.com">Tanvinderkour19@gmail.com</a>
XI-C&D	<a href="mailto:akshavgupta9086@gmail.com">akshavgupta9086@gmail.com</a>

Students must mention their names, class, roll no. /section and date in their Holiday homework, it is mandatory for you to submit it.

*Happy holidays  
Stay fit, healthy, safe and  
at home*

