

DELHI PUBLIC SCHOOL, JAMMU
Summer Holiday Homework (2022-2023)

Class: XII

Subject: Chemistry

The secret of getting ahead is getting started. The secret of getting started is breaking your complex, overwhelming tasks into small manageable tasks, and started on the first one.

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 a investigatory project report on any one of the following topic:

- 1) On green chemistry- Bio-diesel and bio-petrol
- 2) On sterilization of water using bleaching powder
- 3) On analysis of fertilizers
- 4) On measuring the amount of Acetic acid in vinegar
- 5) On determination of contents of cold drinks
- 6) To study the quantity of casein in milk
- 7) On presence of insecticides and pesticides in fruits and vegetables
- 8) On preparation of soya bean milk
- 9) On study of rate of fermentation of juices
- 10) Determination of caffeine in tea samples

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 Solution.

III. To study the effectiveness of different common oils in forming emulsions and give the decreasing order of stability or effectiveness. (Make a video on this experiment)

Note -

1. Submit your Holiday Homework to your respective Subject Teacher by 23rd of July, 2022.

2. **Rhis**

Subject Relevance & Research- 4 marks.

Subject Clarity and presentation skills- 4 marks

Viva- 2 marks

Happy holidays
Stay fit, healthy, safe and
at home

