

**PM SHRI KENDRIYA VIDYALAYA NFC NAGAR, GHATKESAR
SUMMER VACATION – HOLIDAY HOMEWORK**

CLASS: XII

SUBJECT: CHEMISTRY

WRITING ACTIVITY:

- Mind maps and Formulae Sheet of class 11 Chemistry Chapters
- Mind maps and Formulae Sheet of Solutions and Electrochemistry.

ART INTEGRATED PROJECT & INTERACTIVE LEARNING

Roll No	Topic	Creative Work	Interactive Learning	Presentation
1	Water Purification System	Layered model (RO, filtration)	Observe home purifier	Model + report
2	Electrolytes in Human Body	Labeled diagram using stickers	Discuss ORS use	Diagram + explanation
3	Chemistry of Sports Drinks	Comparison table (labels data)	Analyze drink bottles	Chart + report
4	Corrosion in Daily Life	Photo collage (printed images)	Identify rusted objects	Collage + explanation
5	Environmental Impact of Batteries	Flowchart (battery lifecycle)	Survey disposal methods	Flowchart + report
6	EMF & Energy Conversion	Concept chart (stepwise)	Explain to peer	Chart + explanation
7	Conductivity vs Dilution	Graph sheet (labeled)	Discuss trend	Graph + report
8	ΔG and EMF Relation	Concept map	Peer discussion	Map + explanation
9	Ideal vs Non-Ideal Solutions	Comparison table	Identify examples	Table + report
10	Chemistry Around Us	Scrapbook (cuttings)	Observe 5 examples	Scrapbook + summary
11	Osmosis in Plants	Pop-up model	Observe vegetables in water	Model + explanation

Roll No	Topic	Creative Work	Interactive Learning	Presentation
12	Freezing Point Depression	Flipbook	Ice + salt observation	Flipbook + notes
13	Boiling Point Elevation	Data chart	Observe cooking	Chart + report
14	Vapour Pressure Concept	Infographic	Observe evaporation	Poster + explanation
15	Corrosion Prevention	Case study file	Interview an adult	Report + findings
16	Molality vs Molarity	Foldable booklet	Explain to friend	Booklet + summary