

SAINIK SCHOOL KALIKIRI

Summer Vacation Holiday Homework

Class VII: Science

Q1. Draw diagrams of (a) **human digestive system**(b) **teeth**(c) **tongue** (d) **photosynthesis**.

Q2. Prepare a poster on ways of '**saving water**'.

Q3. Take 2 slices of bread in your home. Keep one slice of bread in refrigerator and other outside at room temperature with water sprinkled on it.

Note your **observations** after 3-4 days.

Create your own email Id and sent the photo of 2 slices of bread including you during observation.

Q4. Can plants leaves **other than green** carry out photosynthesis? Justify your answer.

Q5. Write the difference between

(a) **Host and parasite** (b) **Autotrophic and Heterotrophic Nutrition**.

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CLASS IX: Chemistry

Q1. Read the chapter "Matter in our surroundings."

Q2. Write three difference between **Boiling and Evaporation**. In your daily life do you ever faces these two processes. If yes, give some examples.

Q3. In class 8, you have learn about Phases of moon, Constellations, Asteroids and so many in the chapter "Star and the solar system." Write your **practical experiences with the sky** in 200 words.

Q4. How temperature and Pressure helps a matter to changes its state. Explain in your own words.

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CLASS X:Chemistry

Q1: Read the chapter "Chemical Reaction and Equation."

Q2: Write four examples of each types of **Chemical Equation**.

Q3: Complete the given table for first 30 elements in Periodic Table:

SN NO.	ELEMENT NAME	SYMBOL	ATOMIC NO.	NEUTRON NO.	ELECTRON NO.	VALENCY

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CLASS XI:Chemistry

Q1.Read the chapter “structure of Atom”

Q2. Complete the given table for first 30 elements in Periodic Table:

SN NO.	ELEMENT NAME	SYMBOL	ATOMIC NO.	NEUTRON NO.	ELECTRON NO.	VALENCY
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Q3. Make a ppt for Historical Development of atomic models.

Q4. Visit website to enhance concepts of S,P,D,F for better understanding.

Q5. Draw Rutherford Alpha Particle Scattering Experiment and write the outcomes that comes from this experiment.