

**Class IX**  
**Holiday Homework**

**Hindi:**

- 1- किसी एक गद्य पाठ का काव्य रूपांतरण करें।
- 2- किसी एक बाल मजदूर के साक्षात्कार की वीडियो रिकॉर्डिंग कर उसे पीपीटी के माध्यम से कक्षा में प्रस्तुत करें।

**English:** 1. Write a letter to editor on a subject of your choice.

2. Read the play *If I were you* and on the basis of it write a letter to your friend telling him how you saved your life from the intruder. Imagine yourself to be Gerrard.

**Maths:**

Do one activity from circle and surface area and volume.

Revise circle and surface area and volume for Monday test.

**Science:**

**Physics:** Q1. A body of 2 kg falls from rest. What will be its kinetic energy during the fall at the end of 2s?

Q2. On a level road, a scooterist applies brakes to slow down from a speed of 10 m/s to 5 m/s. If the mass of the scooterist and the scooter be 150kg, calculate the work done by the brakes.

Q3. A man drops a 10 kg rock from the top of a 5m ladder. What is its speed just before it hits the ground? What is its kinetic energy when it reaches the ground?

Q4. a) What is the difference between gravitational potential energy and elastic potential energy? Give one example of a body having gravitational potential energy and another having elastic potential energy.

b) If 784 J of work was done in lifting a 20 kg mass, calculate the height through which it was lifted.

**Chemistry:** Q1. Make 20 formulae of the compounds by valency criss-cross method.

Q2. Draw Atomic Structure of any 10 elements from Atomic no. 1 to 18.

Q3. Write answers of the following

questions-

i) list the postulates of -

a) Thomson's Model of Atom

b) Rutherford's Model of Atom

c) Bohr's Model of Atom

ii) list Bohr Bury's rule.

iii) Explain the Drawback of Rutherford's Model.

**Biology:** Write answers for questions 1 to 7 from chapter on 'Improvement in food resources.

**Geography:** Prepare map work from these chapters

1: India Size and Location: 1) The island groups of India lying in the Arabian sea and the Bay of Bengal, 2) The countries constituting Indian Subcontinent, 3) The states through which the Tropic of Cancer passes, 4) The strait separating Sri Lanka from India, 5) The place situated on the three seas.

2: Physical features of India: Mountain Ranges: The Karakoram, The Zaskar, The Patkai Bum, The Jaintia, The Vindhya Range, The Aravali, The Cardamon hills, The Indian desert, The western Ghats.

Peaks: K2, Kanchenjunga, Nanga Parbat, Anai Mudi, Mahendergarh.

4- Revise chapter population and prepare notes

**History/Civics:**

Observe atleast 5 poor families around you and try to find the following:

- Which social and economic group do they belong to?
- Who are the earning members in the family?
- What is the condition of the old people in the family?
- Are all the children ( boys and girls) attending schools?

**Computer Science:**

- Visit the following website

[https://cybercrime.gov.in/Webform/Crime\\_OnlineSafetyTips.aspx](https://cybercrime.gov.in/Webform/Crime_OnlineSafetyTips.aspx)

Go through the given handbook for students on cyber safety and write information about the topics in following sequence

Roll No 1-10-Cyber Grooming and email fraud

Roll No 11-20-safe guard for social networking profiles

Roll No 21-30-Online transaction fraud

Roll No 31-40-Cyber threats that can impact anyone and cyber bullying.

**Art and craft:**

- Complete your file (all pending work by colouring )
- Make two beautiful cards without any matter for use Birthday and Thank you card.