



# ISWK SHARING KNOWLEDGE



## CLASS IX- HOLIDAY HOMEWORK 2025-26 TERM 1

# PHYSICS

## **CHAPTER : Motion**

### **Instructions to Students:**

- Copy the given questions neatly on an A4 sheet of paper.
- Draw the required graph(s) on graph sheets only.
- Stick the graph sheet(s) onto the same A4 sheet (on which you wrote the questions).
- Date of Submission: 24th August, 2025

## ACTIVITY 1

The times of arrival and departure of a train at three stations A, B and C and the distance of stations B and C from station A are given in table 8.4. Plot and interpret the distance-time graph for the train assuming that its motion between any two stations is uniform.

**Table 8.4: Distances of stations B and C from A and times of arrival and departure of the train**

Station	Distance from A (km)	Time of arrival (hours)	Time of departure (hours)
A	0	08:00	08:15
B	120	11:15	11:30
C	180	13:00	13:15

## ACTIVITY 2

Feroz and his sister Sania go to school on their bicycles. Both of them start at the same time from their home but take different times to reach the school although they follow the same route. Table 8.5 shows the distance travelled by them in different times. Plot the distance-time graph for their motions on the same scale and interpret.

**Table 8.5: Distance covered by Feroz and Sania at different times on their bicycles**

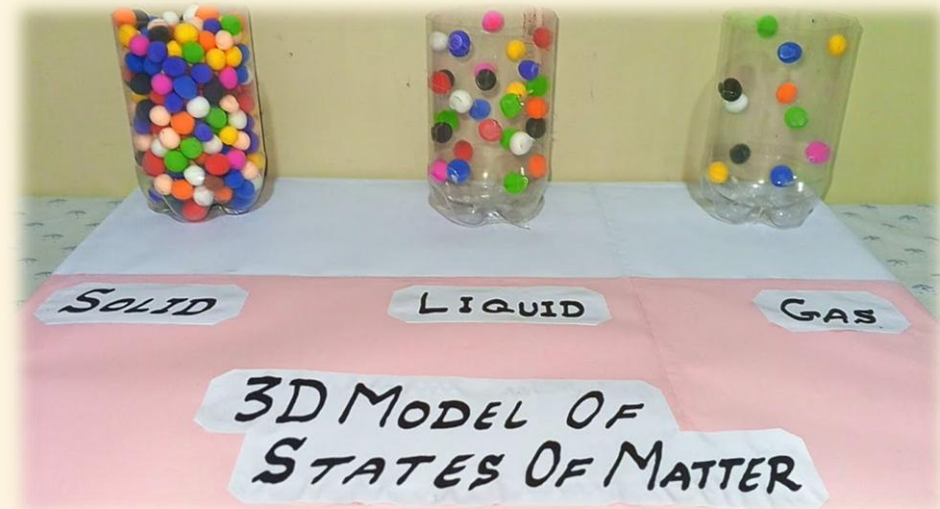
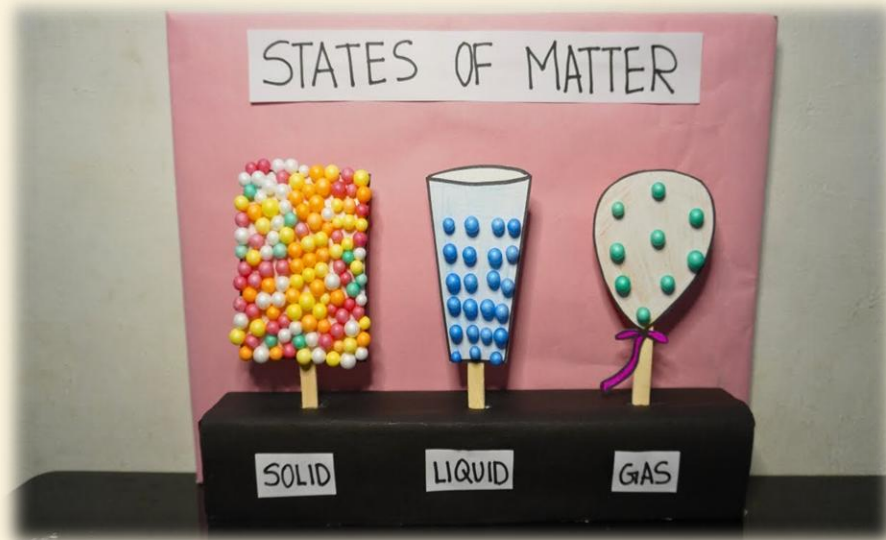
Time	Distance travelled by Feroz (km)	Distance travelled by Sania (km)
8:00 am	0	0
8:05 am	1.0	0.8
8:10 am	1.9	1.6
8:15 am	2.8	2.3
8:20 am	3.6	3.0
8:25 am	–	3.6



# CHAPTER : Matter in our surroundings

## INSTRUCTIONS

- 1) Prepare a three-dimensional model for three states of matter on an A4-sized paper. Label each sample appropriately.
- 2) Date of submission: 24<sup>TH</sup> AUGUST, 2025



# **BIOLOGY**

## **CHAPTER :The fundamental unit of life**

### **A. Journal completion**

#### **Instructions to Students:**

**1. Complete the following experiments in your Biology journal.**

**Experiment 1:** To prepare a stained temporary mount of onion peel.

**Experiment 2:** To prepare a stained temporary mount of a human cheek cell.

**1. Write the aim, materials required, procedure, observation, result, and draw neatly labelled diagrams for both experiments.**





**2. Use a blue pen only and maintain proper margins and headings.**

**3. Ensure your work is neat and complete.**

**4. Submit the Biology journal by 24<sup>TH</sup> AUGUST, 2025**

## **b. WORKSHEET COMPLETION**

### **Instructions to Students:**

-  **Copy the worksheet of the chapter “The fundamental Unit of Life – Part 1” neatly on an A4 sheet paper.**
-  Use only blue pen
-  Make sure your handwriting is **neat** and the content is **well-organised**.
-  Submit it on **24<sup>TH</sup> AUGUST,2025**

THANK YOU

HAPPY  
HOLIDAYS