

# EMRS INDU

## Summer vacation homework class 9 science

1. Revise topics covered in new session in classroom .
2. Read atleast one page of your science book and write down 2 new words and their meaning daily.
3. Make a the list of vitamins, source and deficiency disease.
4. Cover your books and notebook.
5. Mention -  
Freezing point of water  
Boiling point of water
6. Define evaporation and factors affecting evaporation in detail.
7. Hot tea poured in a cup remains hot for longer time than tea poured in a bowl. Explain why ?
8. What is matter? Write down its characteristics with example.
9. Clothes dry on a rainy day quickly . True or false. Give reason.
10. Show diagramtic representation of change in state of matter in a single line .
11. What is melting point?
12. Write down properties of metals and non metals.
13. Element 1 + Element 2 = .....
14. What is atom and define a molecule.
15. Write down 20 elements with their name, atomic number and symbol.
16. Make a chart on - ( any one )
  - a) Neuron / nerve cell
  - b) Animal cell
  - c) Plant cell
- d) 20 elements with name, atomic number and symbol.

17. Draw a poster with your imagination representing What "Science is according to you".
18. Define motion and its types.
19. Define -
- a) speed    b) velocity    c) acceleration
20. Draw a distance time graph for an object moving with uniform speed.
21. Define -
- a) gravitation    b) kinetic energy    c) potential energy
22. What is power ?
23. What is reflection of light. explain with the help of a diagram.
- 24) Define-
- a) cell    b) tissue    c) cell wall    d) nucleus
25. Write down the full form of - DNA and RNA .
26. Compare in tabular form the properties of solids, liquids and gases with respect to shape, volume, compressibility, diffusion, fluidity or rigidity.
24. Plant a seed or tree at your home and notice, observe changes in it and write a short note on it .And share the photo of planting the tree or seed and a photograph on last day of your vacation in class group.
25. Revise and learn vacation homework .
28. List 5 water resources you see in your village.
29. Name the water conservation method that can be used to save water in your school and at home.
- 30) Learn holidays homework.

**\*WISHING YOU ALL A HAPPY SUMMER VACATION \***

EKLAVYA MODEL RESIDENTIAL SCHOOL, INDU

CLASS - IX

SUBJECT - MATHEMATICS

SUMMER VACATION HOMEWORK

1. DEFINITION OF RATIONAL NUMBER.
2. EXAMPLES OF RATIONAL NUMBERS.
3. DEFINITION OF IRRATIONAL NUMBERS AND SOME EXAMPLES OF IRRATIONAL NUMBERS .
4. DECIMAL EXPANSION OF RATIONAL NUMBERS.
5. DECIMAL EXPANSION OF IRRATIONAL NUMBERS.
6. DRAW  $\sqrt{2}$ ,  $\sqrt{3}$  AND  $\sqrt{5}$  ON A NUMBER LINE.
7. EXPRESS THE FOLLOWING IN  $\frac{p}{q}$  FORM

(i)  $0.\overline{6}$

(ii)  $0.\overline{3}$

(iii)  $0.\overline{9}$

(iv)  $0.\overline{235}$

(v)  $1.\overline{27}$

(vi)  $2.\overline{32}$

ation representing What "Science is according to you" .

on

1 object moving with uniform speed.

c) potential energy

with the help of a diagram.

nucleus

and RNA .

ties of solids,liquids and gases with respect to  
fluidity or rigidity.

d notice,observe changes in it and write a short note on it .And  
eed and a photograph on last day of your vacation in class group.

c .

ur village.

d that can be used to save water in your school and at home.

**EMRS INDU**  
**SUMMER VACATION HOMEWORK 2025**  
**CLASS - 9 , GUJARATI**

**નીચેના નિબંધ લખીને લાવવા**

- 1 માતૃપ્રેમ
2. વર્ષા ઋતુની રાણી
3. મારું પ્રિય પુસ્તક
- 4 સ્વચ્છતા ત્યાં પ્રભુતા

## **SUMMER VACATION HOMEWORK 2025**

### **PASSI**

- \* Prepare a map of India.
- \* Prepare a map of the world.
- \* Write and learn states and their capitals.
- \* Write and learn the National park of India.
- \* Read minimum two pages daily.
- \* All the work must be completed.

**EMRS INDU**

**Summer vacation Homework**

**Std-9<sup>th</sup> (computer subject)**

**AI - APP lab ( SDG GOAL project)**

**EMRS INDU**  
**SUMMER VACATION HOMEWORK**

**9B English**

- \* Prepare a chart related to tense.
- \* Write and learn two daily conversational sentences.
- \* Write essay on the following topic.  
( 1) my school (2) our environment (3) Problem of Pollution
- \* Solve two unseen passage.
- \* Write a letter to your friend inviting him on your brother's marriage.
- \* Write an application to your principal for transfer certificate.
- \* Read minimum two page daily.
- \* All the homework must be completed.