

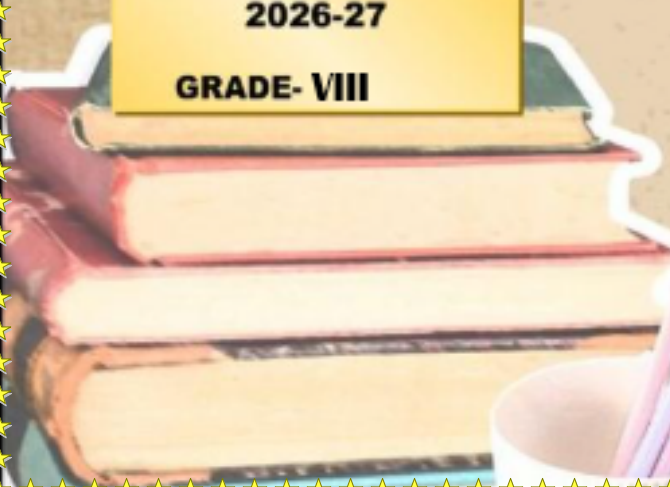


**FLORENCE**<sup>®</sup>  
**INTERNATIONAL SCHOOL**  
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# Summer holiday homework

**2026-27**

**GRADE- VIII**



## Kindly Note

### Dear Students,

Summer vacation is not only a time to relax but also an opportunity to learn new things, develop good habits, and use your time wisely. Kindly follow the given instructions carefully:

- Complete your holiday homework neatly and sincerely in your school Notebook provided by School only.

- Maintain proper handwriting and presentation in all subjects.

- Arrange all work subject-wise in an organized manner.

\*Revise PT1 Syllabus.

\*Do the PT1 Worksheets in your subject wise notebooks.

\*Submission date

### Project /Models

Homework and Project submission- 8th July 2026

*Wishing you a safe, happy, and fruitful summer vacation!*

### Project / Model Allotment

#### Group – 1 (Roll Nos. 1 to 5)

Subjects: Social Science and Hindi

#### Group – 2 (Roll Nos. 6 to 10)

Subjects: Science and English

#### Group – 3 (Roll Nos. 11 to 15)

Subjects: Maths and Arts

#### Group – 4 (Roll Nos. 16 to 20)

Subjects: Computer and Science

### Note:

Students are instructed to prepare their projects/models neatly and creatively using suitable materials. Proper labeling, presentation, and subject relevance will be considered during evaluation.

## SOCIAL SCIENCE

### 1. Heritage of India Travel Brochure

Make an attractive Tri-fold colorful brochure.

choosing one heritage site of your choice

#### Heritage Sites-

- a) Taj Mahal      b) Qutub Minar      c) Hampi      d) Ajanta Caves

**Include:** History, Architecture, Maps, Travel tips, Fun facts etc.

**Creative Format:** Sketches, drawings, facts, sources of information etc.

## 2. "Then vs Now" India Comparison File

Make a beautiful project file for a comparative study including the following parameters

**Compare:** Transport, Communication, Education, Clothing, Technology

**Creative Format:** Split-page design with old and modern pictures.

### Models

Disaster Management Smart City

#### Concept

A futuristic city that uses technology to reduce damage during floods, earthquakes, fires, and storms.

**Main Features:** Earthquake-resistant buildings, Flood alarm system, Emergency evacuation roads, Solar-powered emergency lights, Fire detection sensors, Rescue control room

**Materials Needed:** Cardboard or thermocol base, Small boxes for buildings, LEDs and wires, Buzzer/alarm, Blue paper for river/drainage, Toy vehicles and trees, Battery and switches,

**Working Mechanism:** Press a button → emergency siren activates, Water sensor detects flood → red LED glows, Earthquake zone shakes slightly using a small motor  
<https://youtu.be/jp8tN0qxK38?si=DSWtTAHQitJb9lsc>

## 2. Smart Farming System

**Concept:** Modern farming using technology to save water and improve crop production.

**Main Features:** Automatic irrigation system, Soil moisture detection, solar water pump Drone monitoring concept, Rainwater storage tank, Materials Needed, Grass mat/artificial grass, Pipes or straws, Small DC motor, Water bottle tank, Soil tray LEDs and wires,

**Working Mechanism:** Soil becomes dry → irrigation starts automatically; Water pump distributes water through pipes, Solar energy powers farming equipment

**Creative Add-ons:** Rotating sprinkler, Mini greenhouse, Crop monitoring display board  
[https://youtu.be/SPChxX8rYgk?si=XsDIFcVj\\_ukislk\\_](https://youtu.be/SPChxX8rYgk?si=XsDIFcVj_ukislk_)

### Worksheet-I

#### Q1A. Spot the Natural Resources around you

Look around your classroom or home and complete the table.

Object	Renewable / Non-Renewable	
Wooden Desk	Forests/Wood	Renewable
Water Bottle	_____	_____

Notebook \_\_\_\_\_

Fan \_\_\_\_\_

School Bus \_\_\_\_\_

**B. Think Deeply!**

Why natural resources are called the “wealth of a nation”?

**C. NEWS REPORTER ACTIVITY**

**BREAKING NEWS!**

Imagine you are a news reporter reporting from a city facing severe environmental problems.

**Complete the news report:**

“Good evening everyone. I am reporting from \_\_\_\_\_ city where natural resources are being destroyed because of \_\_\_\_\_.

People are facing problems like \_\_\_\_\_.

The government should immediately \_\_\_\_\_.”

**Q2 CASE STUDY INVESTIGATION**

**Case Study 1: “The Silent Forest”**

In the state of Arunachal Pradesh, a large forest area was cut down to build roads and factories. Soon, many birds and animals disappeared. The nearby villages also began facing soil erosion and floods during heavy rainfall.

Investigate and Answer

Which natural resource was destroyed?

Name two problems caused due to deforestation.

Why are forests important for humans and animals?

Suggest three ways to protect forests.

**Case Study 2: “The Dying River”**

River Kaveri was once clean and full of fish. Over time, factories dumped waste into the river and people wasted water carelessly. Slowly, the river became polluted and water shortages began.

Analyze the Situation

Which resource is discussed in the case study?

How did pollution affect the river?

What difficulties would nearby villages face?

Suggest two methods to conserve water resources.

### Q3. ECO PUZZLES

Unscramble the Words

TRESFO → \_\_\_\_\_ TROLEPEUM → \_\_\_\_\_

EWRANEBLE → \_\_\_\_\_ ESRUEORC → \_\_\_\_\_

SRMLAINE → \_\_\_\_\_

### Q4. RAPID FIRE ROUND

Answer in One Line

Name one inexhaustible resource.

Which fuel is known as fossil fuel?

Which resource is called “Green Gold”?

Why should resources be conserved?

Name one alternative source of energy.

### Q5. HIGHER ORDER THINKING SKILLS

1. What would happen if humans used all natural resources carelessly?
2. Do you think technology alone can save natural resources? Why or why not?

### Worksheet – 2

#### Chapters Integrated:

1. Natural Resources and Their Use
2. Redrawing the Political Landscape of India
3. Universal Franchise & India’s Electoral System

### SECTION A – MULTIPLE CHOICE QUESTIONS (MCQs)

#### Q1. Choose the correct answer

1. Which of the following is a renewable resource?  
a) Coal      b) Petroleum      c) Solar Energy      d) Natural Gas
2. The reorganization of Indian states was mainly based on:  
a) Religion      b) Language      c) Climate      d) Mountains
3. Universal Adult Franchise means:  
a) Voting only for educated citizens      b) Voting only for rich citizens  
c) Equal voting rights for all adults      d) Voting rights for government officials only
4. Which body conducts elections in India?  
a) Supreme Court      b) Parliament  
c) Election Commission of India      d) Governor’s Office
5. Which resource is most important for agriculture?  
a) Gold      b) Water      c) Iron      d) Copper
6. Which of the following is a non-renewable resource?  
a) Wind      b) Sunlight      c) Coal      d) Water

7. The minimum age for voting in India is:

- a) 16 years      b) 18 years      c) 21 years      d) 25 years

8. Why were new states created in India after independence?

- a) To divide the country      b) for better administration and regional identity  
c) To reduce population      d) for foreign trade

9. Which democratic value is connected with voting?

- a) Equality      b) Pollution      c) Mining      d) Irrigation

10. Conserving resources means:

- a) Wasting resources      b) Using resources carelessly  
c) Protecting and using resources wisely      d) Selling all resources

## SECTION B – FILL IN THE BLANKS

### Q2. Complete the sentences

- a) Resources that can be used again and again are called \_\_\_\_\_ resources.  
b) India follows the system of \_\_\_\_\_ Adult Franchise.  
c) The official body that conducts elections is the \_\_\_\_\_.  
d) Coal and petroleum are \_\_\_\_\_ resources.  
e) The political map of India changed after \_\_\_\_\_.  
f) Citizens elect their representatives through \_\_\_\_\_.  
g) Trees, water, and sunlight are examples of \_\_\_\_\_ resources.  
h) The right to vote strengthens \_\_\_\_\_.  
i) Saving forests helps in maintaining ecological \_\_\_\_\_.  
j) Every Indian citizen above \_\_\_\_\_ years can vote.

## SECTION D CASE BASED QUESTION

### Q3. CASE STUDY 1

#### ***“THE CHANGING LANDSCAPE”***

A mineral-rich area in India saw rapid industrial growth after new factories were established. Roads, dams, and railways were developed. However, forests were cut down, pollution increased, and nearby villagers protested against environmental damage. During elections, political parties promised sustainable development and better resource management.

Answer the following questions:

1. Name two natural resources mentioned in the passage.
2. Mention one positive impact of industrial growth.
3. Mention one environmental problem from the case study.
4. Why did political parties discuss resource management during elections?
5. Suggest one sustainable solution for the area.

## **CASE STUDY 2**

### **“THE FIRST ELECTION”**

Riya has recently turned 18 and is excited to vote for the first time. Before elections, she reads newspaper articles about environmental protection, jobs, water conservation, and education. She believes citizens should vote wisely to improve society.

Answer the following:

1. What right is Riya going to exercise?
2. Why should voters be informed before voting?
3. How are environmental issues connected with elections?
4. What qualities should a responsible citizen have?

### **Q4. SECTION E – SHORT ANSWER QUESTIONS**

- a) Why are natural resources important for humans?
- b) What is meant by redrawing the political landscape of India?
- c) Why is voting important in a democracy?
- d) How can citizens help conserve resources?

### **Q5 SECTION F – CREATIVE THINKING**

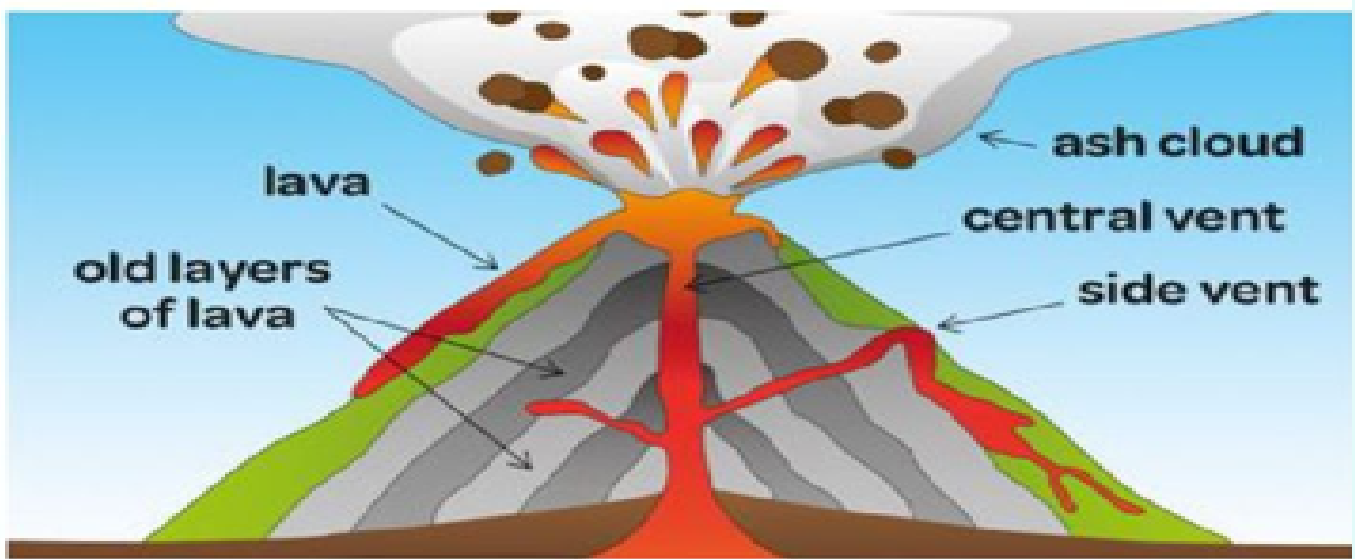
Slogan Writing: Write one slogan on each topic:

- a) Save Natural Resources      b) Democracy and Voting      c) Unity in Diversity

### **Q6. SECTION H – LONG ANSWER QUESTIONS**

1. Explain the importance of conserving natural resources.
2. Describe how India’s political map changed after independence.
3. Explain the importance of Universal Adult Franchise in India.

### Worksheet 3



Magma	Cone	Erupts	Lava
Rocks	Volcano	Volcanic	Layers

A \_\_\_\_\_ happens when a big crack occurs in the Earth's crust. \_\_\_\_\_ from the mantle comes to the surface and shoots out.

When magma is under the surface it is found in the mantle. When a volcano \_\_\_\_\_, the magma comes to the surface and when on the surface it is called \_\_\_\_\_.

The lava cools and forms \_\_\_\_\_. When this happens in a large flat area, we call it a \_\_\_\_\_ plateau.

Volcanoes that are made from many \_\_\_\_\_ are called composite volcanoes. This is because the volcano has erupted many times, and will make a \_\_\_\_\_ shaped mountain.

## Hindi

### Flip Story (Double Ending)

- एक छोटी कहानी लिखिए
- फरि उसके दो अलग-अलग अंत (happy + funny) लिखिए
- अगर मैं... (Imagination Task)
- इनमें से कोई दो चुनें या अन्य वषिय भी :
- अगर मैं पेड़ होता/होती
- अगर मैं मोबाइल होता/होती
- अगर मैं बादल होता/होती
- 80-100 शब्द लिखें
- कवति पाठ (Poetry Recitation)
- हदी भाषा का महत्व बताती कवतिँ याद करके प्रस्तुतदैं।

# हिंदी व्याकरण

## उपसर्ग, प्रत्यय और समास

नाम : \_\_\_\_\_ कक्षा : VIII अनुभाग : \_\_\_\_\_ दिनांक : \_\_\_\_\_

### 1. उपसर्ग (Prefix)

A. सही उपसर्ग जोड़कर नए शब्द बनाइए -

मूल शब्द	उपसर्ग	नया शब्द
1. न्यय	अ	_____
2. लेख	सु	_____
3. विश्वास	अवि	_____
4. शुद्ध	अ	_____
5. मान	अभि	_____

B. दिए गए शब्दों में उपसर्ग को रंगीन पेन से घेरिए -

असफल    उपकार    दुर्गंध  
निराशा    प्रवेश    पराजय

C. उपसर्ग को सही शब्द से मिलाइए -

उपसर्ग	शब्द
1. सु	( ) कार्य
2. दु	( ) भाग्य
3. नि	( ) शुल्क
4. परा	( ) जय

### 2. प्रत्यय (Suffix)

A. प्रत्यय जोड़कर नए शब्द बनाइए -

मूल शब्द	प्रत्यय	नया शब्द
1. मीठा	आस	_____
2. सुंदर	ता	_____
3. दया	लु	_____
4. मित्र	ता	_____
5. बाल	पन	_____

B. खाली स्थान भरिए -

- सच्चा → सच्चा \_\_\_\_\_ (ता, पन, ई, वाला)
- लड़का → लड़क \_\_\_\_\_
- दया → दया \_\_\_\_\_
- दूध → दूध \_\_\_\_\_

### C. Creative Fun

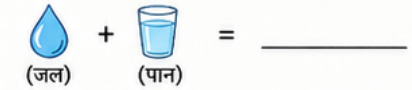
अपने नाम से कोई नया शब्द बनाइए जिसमें प्रत्यय जुड़ा हो।  
उदाहरण - राहुल + पन = राहुलपन  
मेरा शब्द : \_\_\_\_\_

### 3. समास (Compound)

A. समास का प्रकार पहचानिए -

शब्द	समास का प्रकार
1. राजपुत्र	_____
2. नीलकमल	_____
3. मातापिता	_____
4. चंद्रमुख	_____

B. चित्र देखकर शब्द बनाइए -



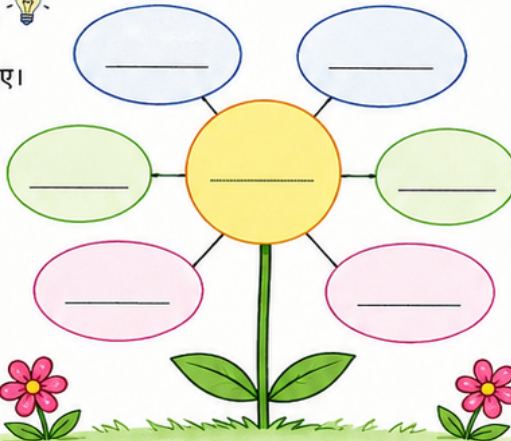
C. सही विकल्प चुनिए -

- “दशानन” कौन-सा समास है?  
(क) द्वंद्व    (ख) बहुव्रीहि    (ग) तत्पुरुष
- “रसोईघर” में कौन-सा समास है?  
(क) कर्मधारय    (ख) द्विगु    (ग) तत्पुरुष

### 4. Think & Create

अपना स्वयं का शब्द-फूल बनाइए।  
बीच में कोई एक शब्द  
लिखिए और उसके चारों ओर -

- 2 उपसर्ग वाले शब्द
- 2 प्रत्यय वाले शब्द
- 2 समास वाले शब्द



### Bonus Activity

“विद्यालय” शब्द से -

- उपसर्ग वाला शब्द : \_\_\_\_\_
- प्रत्यय वाला शब्द : \_\_\_\_\_
- समास वाला शब्द : \_\_\_\_\_

### ★ Teacher's Corner

- साफ लिखावट
- रंगों का प्रयोग
- स्वयं उदाहरण बनाने पर अतिरिक्त अंक



## व्याकरण वर्कशीट - I

भाग - 1 : भाषा तथा भाषा के रूप

प्रश्न 1: सही विकल्प चुनिए

भाषा का मुख्य उद्देश्य क्या है?

(क) खेलना (ख) वचिर व्यक्त करना (ग) पढ़ना (घ) लिखना  
नमिन में से कौन-सा भाषा का रूप नहीं है?

(क) मौखिक (ख) लिखित (ग) संकेत (घ) चित्रकला

प्रश्न 2: रिक्त स्थान भरिए

हम बोलकर जो भाषा व्यक्त करते हैं, उसे \_\_\_\_\_ भाषा कहते हैं।

लिखित व्यक्त की गई भाषा को \_\_\_\_\_ भाषा कहते हैं।

संकेतों द्वारा व्यक्त भाषा को \_\_\_\_\_ भाषा कहते हैं।

प्रश्न 3: संक्षेप में उत्तर दीजिए -

भाषा क्या है?

भाषा के दो मुख्य रूप लिखिए।

भाग - 2 : ध्वनियों, वर्ण तथा लेखन व्यवस्था

प्रश्न 4: सही/गलत लिखिए

ध्वनिभाषा की सबसे छोटी इकाई है। ( )

वर्ण ध्वनिकी लिखित रूप होता है। ( )

सभी ध्वनियों लिखी जा सकती हैं। ( )

प्रश्न 5: उत्तर दीजिए

ध्वनि और वर्ण में क्या अंतर है?

लेखन व्यवस्था से आप क्या समझते हैं?

भाग - 3 : वर्ण वच्छेद

प्रश्न 6: नमिन शब्दों का वर्ण-वच्छेद कीजिए

वदियालय = \_\_\_\_\_ कमल = \_\_\_\_\_ शक्ति = \_\_\_\_\_ भारत = \_\_\_\_\_ पुस्तक = \_\_\_\_\_

प्रश्न 7: दिए गए वर्णों से शब्द बनाइए -

क + म + ल = \_\_\_\_\_

ग + ग + न = \_\_\_\_\_

स + क + ल = \_\_\_\_\_

**प्रश्न 8:** खाली स्थान भरिए –

वर्णों को अलग-अलग करने की प्रक्रिया को \_\_\_\_\_ कहते हैं।

“राम” का वर्ण-वच्छेद \_\_\_\_\_ है।

**वर्कशीट - II**

हदुस्तान हमारा है + भाई से सीखा स्वदेशी का पाठ (संयुक्त पाठ)

नाम: \_\_\_\_\_ कक्षा: \_\_\_\_\_ दिनांक: \_\_\_\_\_

**प्रश्न 1: शब्दों के अर्थ लखिए**

(क) सृजन – \_\_\_\_\_ (ख) गणना – \_\_\_\_\_

(ग) माहरि – \_\_\_\_\_ (घ) खदर – \_\_\_\_\_ (ङ) वसितृत – \_\_\_\_\_

**प्रश्न 2: एक शब्द में उत्तर लखिए**

(क) ‘हदुस्तान हमारा है’ कविता के रचयिता कौन हैं? \_\_\_\_\_

(ख) कविता में ‘गंगा’ को क्या कहा गया है? \_\_\_\_\_

(ग) जीरादेई गाँव किस राज्य में है? \_\_\_\_\_

(घ) गाँव के लोग साधुओं को क्या देते थे? \_\_\_\_\_

(ङ) लेखक कहाँ पढ़ाई करने गया था? \_\_\_\_\_

**प्रश्न 3: संक्षेप में उत्तर लखिए**

(क) कविता में कनि-कनि नदियों का उल्लेख किया गया है?

(ख) लेखक की बचपन की आदत क्या थी?

(ग) ‘भीम कपाट’ से क्या अभिप्राय है?

(घ) स्वदेशी अपनाने का क्या महत्व है?

**प्रश्न 4: शब्दों के दो-दो पर्यायवाची लखिए**

(क) नभ – \_\_\_\_\_ , \_\_\_\_\_ (ख) गंगा – \_\_\_\_\_ , \_\_\_\_\_

(ग) हमिलय – \_\_\_\_\_ , \_\_\_\_\_ (घ) लोचन – \_\_\_\_\_ , \_\_\_\_\_

**प्रश्न 5: वाक्यों में रेखांकित शब्दों के लिये बदलकर लखिए**

(क) एक बार बलदेव चाचा गुस्सा हो गए। → \_\_\_\_\_

(ख) मेरी माँ मुझे बुला रही है। → \_\_\_\_\_

(ग) हमारे मास्टर जी बहुत अच्छे हैं। → \_\_\_\_\_

(घ) वह एक अच्छा लड़का है। → \_\_\_\_\_

**प्रश्न 6: वलिम शब्द लखिए**

(क) छोटी – \_\_\_\_\_ (ख) अमीर – \_\_\_\_\_ (ग) कमजोर – \_\_\_\_\_

(घ) सज्जन – \_\_\_\_\_ (ङ) नया – \_\_\_\_\_

**प्रश्न 7: वर्ण-वच्छेद कीजिए**

(क) पूरव = \_\_\_\_\_ (ख) अटल = \_\_\_\_\_ (ग) नशान = \_\_\_\_\_

(घ) गर्व = \_\_\_\_\_ (ङ) भारत = \_\_\_\_\_

**प्रश्न 8: सही/गलत लखिए**

(क) खददर वदेशी कपडा है। ( )

(ख) स्वदेशी का अर्थ देश में बनी वस्तुओं का उपयोग करना है। ( )

(ग) गंगा को कवति में माता कहा गया है। ( )

**प्रश्न 9: रक्ति स्थान भरिए**

(क) हमें हमेशा \_\_\_\_\_ वस्तुओं का उपयोग करना चाहिए।

(ख) भारत एक बहुत \_\_\_\_\_ देश है।

(ग) लेखक के गाँव का नाम \_\_\_\_\_ था।

**Science**

**Prepare a working model on the Topic**

**Roll no.6-** Earth model showing layers - Crust, mantle, outer core and inner core.

[https://youtube.com/shorts/G4HZ3AO5imY?si=hyaImNBAAb12Tpk\\_t](https://youtube.com/shorts/G4HZ3AO5imY?si=hyaImNBAAb12Tpk_t)

**Roll no.7-** Model on Geo diversity on Earth.

<https://youtube.com/shorts/iBhIxdah6QA?si=sZ71nYcXAMG3CQs>

**Roll no.8-** Ecosystem Interaction - Mutualism, Competition and Parasitism.

<https://youtube.com/shorts/12P5nBvZ8y8?si=hvs0khglYWXSbwxp>

**Roll no.9-** Ecosystem Interaction - Predation, Commensalism and Parasitism.

<https://youtube.com/shorts/12P5nBvZ8y8?si=hvs0khglYWXSbwxp>

**Roll no.10-** Make a Kaleidoscope.

[https://youtube.com/shorts/YGPU8FQBkQE?si=hAp5bRkl\\_Rd296P-](https://youtube.com/shorts/YGPU8FQBkQE?si=hAp5bRkl_Rd296P-)

# Science

**Chapter:** Microorganisms and Health: The Ultimate Treasure

## A. Fill in the Blanks

1. Microorganisms can be seen only with the help of a \_\_\_\_\_.
2. Bacteria, fungi, protozoa, and viruses are types of \_\_\_\_\_.
3. \_\_\_\_\_ are useful microorganisms used in making bread and cakes.
4. Diseases caused by microorganisms are called \_\_\_\_\_ diseases.
5. Vaccines help our body develop \_\_\_\_\_ against diseases.

## B. Choose the Correct Answer

1. Which of the following is a useful microorganism?  
a) Cholera bacteria    b) Yeast    c) Malaria parasite    d) Virus
2. Which disease is caused by a virus?  
a) Tuberculosis    b) Cholera    c) Chickenpox    d) Typhoid
3. Which microorganism helps in curd formation?  
a) Fungi    b) Virus    c) Lactobacillus    d) Algae
4. The process of preserving food by removing moisture is called:  
a) Fermentation    b) Pasteurization    c) Drying    d) Vaccination

## C. Match the Following

- | Column A       | Column B                   |
|----------------|----------------------------|
| 1. Yeast       | a. Malaria                 |
| 2. Protozoa    | b. Bread making            |
| 3. Vaccination | c. Protection from disease |
| 4. Mosquito    | d. Disease carrier         |

## D. True or False (Write T/F)

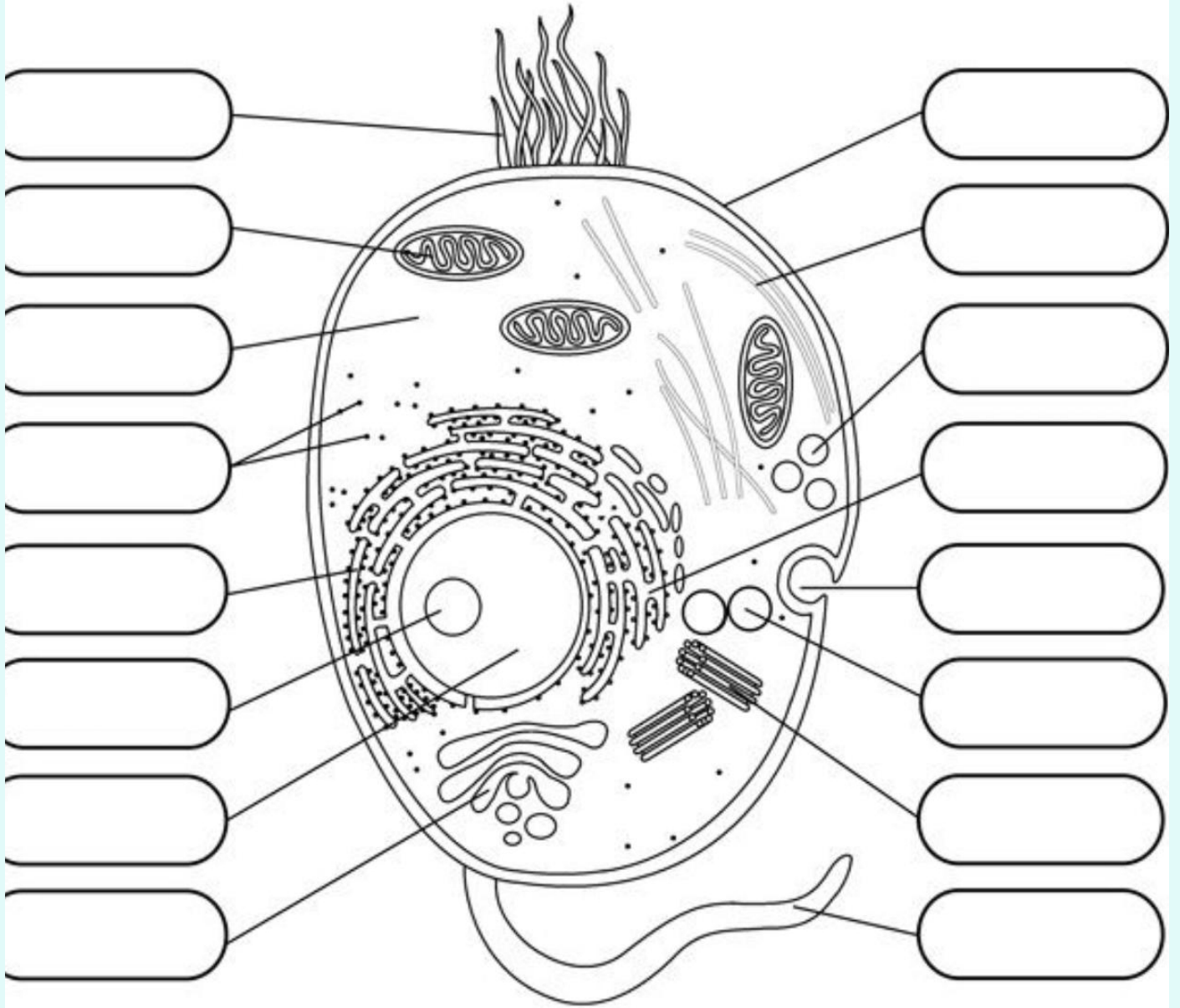
1. All microorganisms are harmful. \_\_\_\_\_
2. Pasteurization helps preserve milk. \_\_\_\_\_
3. Viruses can reproduce outside a living cell. \_\_\_\_\_
4. Houseflies can spread diseases. \_\_\_\_\_
5. Antibiotics are effective against viral infections. \_\_\_\_\_

## E. Short Answer Questions

1. Name any four types of microorganisms.
2. Write two uses of microorganisms.
3. What are communicable diseases? Give one example.
4. Why should antibiotics be taken only under a doctor's advice?



# Label the Parts of an Animal Cell



## Word Box

Ribosome	Lysosome	Nucleus	Mitochondria	Cell membrane
Flagella	Cytoplasm	Nucleolus	Cilia	Golgi apparatus
Centrioles	Cytoskeleton		Rough endoplasmic reticulum	
Peroxisome	Secretory vesicle		Smooth endoplasmic reticulum	

# English

## Question 1.

Write a review of your favorite fiction book. Include details about the plot, main characters, and lessons learnt.

Title of the Book: \_\_\_\_\_

- Author: \_\_\_\_\_
- Publisher: \_\_\_\_\_
- Year of Publication: \_\_\_\_\_
- Genre: \_\_\_\_\_
- Rating (Out of 5): \_\_\_\_\_

Introduction of the Book

(Write 3–4 lines about the book and its background.)

Main Characters

- \_\_\_\_\_
- \_\_\_\_\_

- Summary of the Story  
(Write the main events briefly without revealing the ending.)

1- What I Liked About the Book



2- Message / Moral of the Book

3- My Opinion / Recommendation

4- Favorite Quote / Line from the Book

“ \_\_\_\_\_ ”

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Class & Section: \_\_\_\_\_

## Question2. Section A – Idioms

### 1. Match the idioms with their meanings.

**Idiom**

**Meaning**

1. A blessing in disguise a) Very expensive
2. Once in a blue moon b) Something good that seemed bad at first
3. Cost an arm and a leg c) Very rarely
4. Hit the nail on the head d) To say exactly the right thing
5. Break the ice e) To start a conversation comfortably

**3- Use the following idioms in meaningful sentences.**

- Piece of cake
- Under the weather
- Spill the beans
- Burning the midnight oil
- A storm in a teacup

**4- Complete the sentences using suitable idioms.**

- Riya was nervous during the introduction, so her friend tried to \_\_\_\_\_.
- Solving the puzzle was a \_\_\_\_\_ for Aryan.
- My grandfather visits us only \_\_\_\_\_.
- The secret was revealed when someone \_\_\_\_\_.
- The new laptop \_\_\_\_\_ because it was imported.

**Write one synonym and one antonym for each word.**

**Word**    Synonym    Antonym

Brave    \_\_\_\_\_    \_\_\_\_\_

Honest    \_\_\_\_\_    \_\_\_\_\_

Success    \_\_\_\_\_    \_\_\_\_\_

Expand    \_\_\_\_\_    \_\_\_\_\_

Peaceful    \_\_\_\_\_    \_\_\_\_\_

**Create your own “Mini Idiom & Vocabulary Book”**

**Include:**

- 15 idioms with meanings and sentences
- 20 new vocabulary words
- Synonyms and antonyms
- Attractive illustrations and headings

**Question 2. Worksheet Tenses & Determiners**

**A- Fill in the blanks with the correct form of the verbs given in brackets.**

- Riya \_\_\_\_\_ (prepare) for her exams these days.
- The boys \_\_\_\_\_ (play) football when it started raining.
- My father \_\_\_\_\_ already \_\_\_\_\_ (leave) for office.
- We \_\_\_\_\_ (visit) Jaipur last winter.
- She usually \_\_\_\_\_ (wake) up at 5 a.m.
- By next month, they \_\_\_\_\_ (complete) the project.
- I \_\_\_\_\_ never \_\_\_\_\_ (see) such a beautiful painting before.
- The train \_\_\_\_\_ (arrive) before we reached the station.
- Look! The baby \_\_\_\_\_ (sleep).
- If you work hard, you \_\_\_\_\_ (succeed).
- The teacher \_\_\_\_\_ (teach) when the principal entered the class.

He \_\_\_\_\_ (live) in Delhi for ten years.  
We \_\_\_\_\_ (watch) a movie tomorrow evening.  
The sun \_\_\_\_\_ (rise) in the east.  
She \_\_\_\_\_ (study) since morning.  
I \_\_\_\_\_ (meet) him yesterday at the market.  
By the time you arrive, I \_\_\_\_\_ (finish) my homework.  
The children \_\_\_\_\_ (make) noise in the classroom now.  
They \_\_\_\_\_ (go) to the museum last Sunday.  
She \_\_\_\_\_ (write) a letter when I called her.

### Section B – Determiners

Fill in the blanks with suitable determiners.

- 1- \_\_\_\_\_ students participated in the competition.
- 2- There isn't \_\_\_\_\_ milk left in the bottle.
- 3- I have \_\_\_\_\_ friends in Mumbai.
- 4- \_\_\_\_\_ books on the shelf belong to me.
- 5- She did not make \_\_\_\_\_ mistake in the test.
- 6- \_\_\_\_\_ of the players was injured.
- 7- We should save \_\_\_\_\_ water we can.
- 8- He has visited the Taj Mahal \_\_\_\_\_ times.
- 9- \_\_\_\_\_ girl in the blue dress is my cousin.
- 10- There are \_\_\_\_\_ apples in the basket.
- 11- I need \_\_\_\_\_ information about the event.
- 12- \_\_\_\_\_ child deserves love and care.
- 13- She bought \_\_\_\_\_ umbrella because it was raining.
- 14- \_\_\_\_\_ people attended the seminar.
- 15- I have read this story \_\_\_\_\_ times.

### Section C – Editing

Each line has an error. Write the incorrect word and the correction.

Incorrect    Correction

- 1- She do not like coffee. | \_\_\_\_\_ |
- 2- The boys was playing outside. | \_\_\_\_\_ |
- 3- I has completed my work. | \_\_\_\_\_ |
- 4- He go to school every day. | \_\_\_\_\_ |
- 5- They is watching television. | \_\_\_\_\_ |
- 6- My friend have a new bicycle. | \_\_\_\_\_ |
- 7- We was waiting for the bus. | \_\_\_\_\_ |
- 8- She were reading a novel. | \_\_\_\_\_ |
- 9- The baby cry loudly at night. | \_\_\_\_\_ |
- 10- He don't obey his parents. | \_\_\_\_\_ |

**Section D – Omission One word is missing in each sentence. Write the missing word.**

**Sentence Missing Word**

- 1- She going to market now. | \_\_\_\_\_ |
- 2- I reading an interesting book. | \_\_\_\_\_ |
- 3- They playing cricket in the field. | \_\_\_\_\_ |
- 4- He completed his homework yesterday. | \_\_\_\_\_ |
- 5- We waiting for the teacher. | \_\_\_\_\_ |
- 6- The children laughing loudly. | \_\_\_\_\_ |
- 7- My father working in his office. | \_\_\_\_\_ |
- 8- She not feeling well today. | \_\_\_\_\_ |
- 9- They already finished the work. | \_\_\_\_\_ |
- 10-I seen this movie before. | \_\_\_\_\_ |

**Section E – Integrated Grammar Exercises**

**Passage 1**

Complete the passage with suitable forms of the verbs and determiners.

Last Sunday, my family and I \_\_\_\_\_ (go) to a zoo. There were \_\_\_\_\_ animals and birds there. We \_\_\_\_\_ (see) lions, tigers, and elephants. My younger brother bought \_\_\_\_\_ ice cream while I purchased \_\_\_\_\_ cold drink. We \_\_\_\_\_ (enjoy) the visit very much.

**Passage 2**

Fill in the blanks with suitable determiners and verb forms.

Rohan \_\_\_\_\_ (live) in a small village. Every morning, he \_\_\_\_\_ (walk) five kilometres to school. He is \_\_\_\_\_ honest and hardworking boy. \_\_\_\_\_ teachers in his school admire him because he never wastes \_\_\_\_\_ time.

**Passage 3**

Choose the correct options.

The girls \_\_\_\_\_ in the garden now.

- a) play
- b) are playing
- c) played
- d) plays

I have \_\_\_\_\_ friends in this city.

- a) little
- b) much
- c) many
- d) any

She \_\_\_\_\_ her homework before dinner.

- a) completed

- b) has completed
- c) complete
- d) completing

\_\_\_\_\_ boy standing near the gate is my brother.

- a) A
- b) An
- c) The
- d) Some

We \_\_\_\_\_ for the bus when it started raining.

- a) wait
- b) were waiting
- c) are waiting
- d) waited

**Section F – Sentence Transformation**

Rewrite the sentences as directed.

She writes a poem.

(Change into Present Continuous)

---

They were playing football.

(Change into Simple Past)

---

I have completed my project.

(Change into Simple Present)

---

He will visit Agra tomorrow.

(Change into Past Continuous)

---

There are few chairs in the room.

(Replace 'few' with a suitable determiner showing sufficiency)

**Writing Section:**

You participated in an inter-school competition and won first prize. Write a diary entry describing your feelings and experience.

Write a notice for your school notice board about an inter-house debate competition to be held next week.

## Maths

### Activity 1: Prepare a journal on:

History of numbers, Roman numerals, Indian number system, Famous mathematicians like Aryabhata or Ramanujan

**You may include:** Pictures, Facts, and Timelines, Interesting number tricks

**Activity 2:** To demonstrate different 3D shapes—cube, cuboids, cylinder, cone, and sphere—and help students understand their structure and formulas using a rotating working model.


### Materials / Requirement:

- Cardboard (base)
- Chart paper / colored sheets
- Skewer stick / wooden stick (for rotation)
- Glue / tape / scissors
- Pencil, scale, markers
- Compass (for circles)
- °Beads (to fix rotation) and other stationery items

**Reference:** <https://share.google/d8fq1OwR5bR4VmPwW>



### Square Roots

 Find the value each square root.

1)  $\sqrt{0} = \underline{\hspace{2cm}}$

9)  $\sqrt{64} = \underline{\hspace{2cm}}$

17)  $\sqrt{324} = \underline{\hspace{2cm}}$

2)  $\sqrt{1} = \underline{\hspace{2cm}}$

10)  $\sqrt{81} = \underline{\hspace{2cm}}$

18)  $\sqrt{400} = \underline{\hspace{2cm}}$

3)  $\sqrt{4} = \underline{\hspace{2cm}}$

11)  $\sqrt{121} = \underline{\hspace{2cm}}$

19)  $\sqrt{900} = \underline{\hspace{2cm}}$

4)  $\sqrt{16} = \underline{\hspace{2cm}}$

12)  $\sqrt{225} = \underline{\hspace{2cm}}$

20)  $\sqrt{529} = \underline{\hspace{2cm}}$

5)  $\sqrt{9} = \underline{\hspace{2cm}}$

13)  $\sqrt{144} = \underline{\hspace{2cm}}$

21)  $\sqrt{90} = \underline{\hspace{2cm}}$

6)  $\sqrt{25} = \underline{\hspace{2cm}}$

14)  $\sqrt{100} = \underline{\hspace{2cm}}$

22)  $\sqrt{169} = \underline{\hspace{2cm}}$

7)  $\sqrt{49} = \underline{\hspace{2cm}}$

15)  $\sqrt{256} = \underline{\hspace{2cm}}$

23)  $\sqrt{196} = \underline{\hspace{2cm}}$

8)  $\sqrt{36} = \underline{\hspace{2cm}}$

16)  $\sqrt{289} = \underline{\hspace{2cm}}$

24)  $\sqrt{361} = \underline{\hspace{2cm}}$

 Evaluate.

25)  $\sqrt{4} \times \sqrt{16} = \underline{\hspace{2cm}}$

31)  $\sqrt{2} + \sqrt{2} = \underline{\hspace{2cm}}$

26)  $\sqrt{25} \times \sqrt{64} = \underline{\hspace{2cm}}$

32)  $\sqrt{8} + \sqrt{8} = \underline{\hspace{2cm}}$

27)  $\sqrt{2} \times \sqrt{8} = \underline{\hspace{2cm}}$

33)  $4\sqrt{5} - 2\sqrt{5} = \underline{\hspace{2cm}}$

28)  $\sqrt{6} \times \sqrt{6} = \underline{\hspace{2cm}}$

34)  $3\sqrt{3} \times 2\sqrt{3} = \underline{\hspace{2cm}}$

29)  $\sqrt{5} \times \sqrt{5} = \underline{\hspace{2cm}}$







35)  $8\sqrt{2} \times 2\sqrt{2} = \underline{\hspace{2cm}}$

30)  $\sqrt{8} \times \sqrt{8} = \underline{\hspace{2cm}}$

36)  $6\sqrt{3} - \sqrt{12} = \underline{\hspace{2cm}}$

# Quadrilateral Properties

Directions: fill in the blank columns with "yes" or "no" according to the characteristics of each shape!

Name	Shape	All Sides Equal?	Opposite Sides Parallel?	Right Angles?	Special Properties
Square					All angles 90°, diagonals are equal and perpendicular
Rectangle					Opposite sides equal, diagonals are equal
Kite					One pair of opposite angles is equal
Parallelogram					Opposite sides equal, opposite angles equal
Isosceles Trapezoid					Non-parallel sides are equal, base angles are equal
Trapezoid					Only one pair of parallel sides

# CRACK THE CODE!

Solve for the variable in each equation. Use your algebra skills to isolate the letter and find its value.  
Show your work if needed. Let's see how many mystery numbers you can uncover!

$5a = 45$	$a =$	
$7b + 2 = 30$	$b =$	
$12 = 3c$	$c =$	
$3d - 6 = 15$	$d =$	
$8 = 4e + 4$	$e =$	
$36 = 9f$	$f =$	
$4g = 48$	$g =$	
$2h + 6 = 18$	$h =$	
$90 = 6i + 6$	$i =$	
$5j - 10 = 15$	$j =$	
$3k = 81$	$k =$	
$18 = 6l - 6$	$l =$	
$9m + 9 = 36$	$m =$	
$2n = 64$	$n =$	
$4o + 4 = 24$	$o =$	

## Multiplication of Exponents

NAME \_\_\_\_\_

$$.8 \times 10^2 =$$

$$.67 \times 10^3 =$$

$$1.24 \times 10^3 =$$

$$300.2 \times 10^2 =$$

$$.6 \times 10^2 =$$

$$9.61 \times 10^6 =$$

$$.89 \times 10^4 =$$

$$80.6 \times 10^4 =$$

$$13.7 \times 10^2 =$$

$$.54 \times 10^2 =$$

$$20.8 \times 10^4 =$$

$$12.89 \times 10^1 =$$

# Do questions given in pg.no 145 -154 in your notebook.

## Science

**Roll no.16-** Simple Solar Cooker Cardboard.

[https://youtube.com/shorts/cjp\\_kRFFKuc?si=1IVDEZpnmA9vaB5T](https://youtube.com/shorts/cjp_kRFFKuc?si=1IVDEZpnmA9vaB5T)

**Roll no.17-** A Periodic Table

<https://youtube.com/shorts/CWKfB7d-tC0?si=FfG9A341u3HUnie0>

**Roll no.18-** Model on Different states of Matter i.e Solid , Liquid and Gaseous.

<https://youtube.com/shorts/VYxbh8cytmg?si=lbiP7utpMM3AEpEK>

**Roll no.19-** A rubber band powered car.

[https://youtube.com/shorts/hkTPHrpkxVY?si=n1XghwwGoZMOk\\_83](https://youtube.com/shorts/hkTPHrpkxVY?si=n1XghwwGoZMOk_83)

**Roll no.20-** A paper Boomerang.

<https://youtube.com/shorts/t0nKyOpUgSU?si=tMyKuNMboCvHU6gQ>

### Worksheet

#### Chapter: Microorganisms and Health: The Ultimate Treasure

##### A. Fill in the Blanks

1. Microorganisms can be seen only with the help of a \_\_\_\_\_.
2. Bacteria, fungi, protozoa, and viruses are types of \_\_\_\_\_.
3. \_\_\_\_\_ are useful microorganisms used in making bread and cakes.
4. Diseases caused by microorganisms are called \_\_\_\_\_ diseases.
5. Vaccines help our body develop \_\_\_\_\_ against diseases.

##### B. Choose the Correct Answer

1. Which of the following is a useful microorganism?  
a) Cholera bacteria    b) Yeast    c) Malaria parasite    d) Virus

##### 2. Which disease is caused by a virus?

- a) Tuberculosis    b) Cholera    c) Chickenpox    d) Typhoid

##### 3. Which microorganism helps in curd formation?

- a) Fungi    b) Virus    c) Lactobacillus    d) Algae

##### 4. The process of preserving food by removing moisture is called

- a) Fermentation    b) Pasteurization    c) Drying    d) Vaccination

##### C. Match the Following

Column A

Column B

- |                |                            |
|----------------|----------------------------|
| 1. Yeast       | a. Malaria                 |
| 2. Protozoa    | b. Bread making            |
| 3. Vaccination | c. Protection from disease |
| 4. Mosquito    | d. Disease carrier         |

**D. True or False (Write T/F)**

1. All microorganisms are harmful. \_\_\_\_\_
2. Pasteurization helps preserve milk. \_\_\_\_\_
3. Viruses can reproduce outside a living cell. \_\_\_\_\_
4. Houseflies can spread diseases. \_\_\_\_\_
5. Antibiotics are effective against viral infections. \_\_\_\_\_

**E. Short Answer Questions**

1. Name any four types of microorganisms.
2. Write two uses of microorganisms.
3. What are communicable diseases? Give one example.
4. Why should antibiotics be taken only under a doctor's advice?

**F. Long Answer Questions**

1. Explain the useful role of microorganisms in our daily life.
2. Describe two methods used for food preservation.
3. Explain how vaccination protects us from diseases.

**G. HOTS (Higher Order Thinking Skills)**

Riya left cooked food uncovered overnight. The next day, it had a bad smell and taste.

- a) Why did the food spoil?
- b) Which microorganisms may be responsible?
- c) Suggest two ways to prevent food spoilage.

**Activity Corner**

Observe curd, bread, and a packet of medicines at home. Identify the role of microorganisms in each.

**Item**

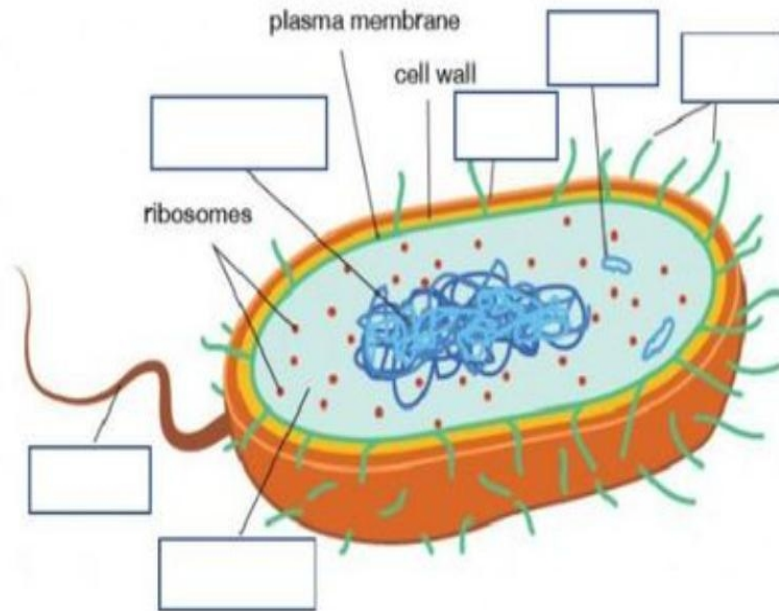
Role of Microorganisms

Curd	Bread	Medicine
------	-------	----------

## VIRUS AND BACTERIA WORKSHEET

**Exercise 1:** Label the diagram

capsule	pili	nucleoid
cytoplasm	plasmid	flagellum



**Exercise 2:** Complete the table by putting a tick in the box if the organelle is present in that cell type.

	Animal cell	Plant cell	Bacterial cell
Nucleus			
Mitochondria			
Chloroplast			
Cell wall			
Cell membrane			
Nucleoid			
Cytoplasm			
Flagellum			
Vacuole			
Plasmid			

## COMPUTER

**1. Paste/draw images** of types of network ie LAN, PAN, MAN WAN and write few lines about it uses.

### **2. Make a Collage or Drawing**

Topic: "How Networks Connect the World" or "My Dream Tech Classroom"

Use magazine cutouts, printed images, or original sketches.

**Choose the correct answer.**

#### **1. A computer network is used to**

a) Cook food    b) Connect computers    c) Print books    d) Draw pictures

**2. Which device is used to connect a computer to the internet?**

a) Mouse    b) Keyboard    c) Modem    d) Scanner

#### **3. LAN stands for**

a) Large Area Network    b) Local Area Network

c) Long Area Network    d) Light Area Network

#### **4. The internet is an example of**

a) PAN    b) LAN    c) WAN    d) MAN

#### **5. Which of the following is used to browse websites?**

a) MS Word    b) Paint    c) Web Browser    d) Calculator

#### **6. In Excel database, each horizontal line is called a**

a) Column    b) Row    c) Cell    d) Sheet

#### **7. A collection of related information is called a**

a) Database    b) Chart    c) Folder    d) Program

#### **8. Which feature is used to arrange data in order?**

a) Filter    b) Sort    c) Merge    d) Wrap Text

#### **9. Which option is used to show only selected records?**

a) Sort    b) Filter    c) Font    d) Copy

#### **10. The intersection of a row and column is called a**

a) Table    b) Workbook    c) Cell    d) Chart

**Section C – Fill in the Blanks**

1. A \_\_\_\_\_ connects computers together.
2. The full form of WAN is \_\_\_\_\_.
3. \_\_\_\_\_ is used to send messages through the internet.
4. In Excel, vertical lines are called \_\_\_\_\_.
5. The process of arranging data is called \_\_\_\_\_.
6. A collection of related data is known as a \_\_\_\_\_.
7. The internet is the largest \_\_\_\_\_ in the world.
8. \_\_\_\_\_ option is used to display selected records only.

**Section D – Question Answers**

Short Answer Questions

- |                                |  |
|--------------------------------|--|
| 1. What is a computer network? | 2. Write any two advantages of networking. |
| 3. What is the internet?       | 4. Define database in Excel.               |
| 5. What is sorting in Excel?   | 6. What is filtering in Excel?             |

**E. Long Answer Questions**

1. Explain the types of computer networks.
2. Differentiate between rows and columns in Excel.
3. Explain the steps to sort data in Excel.

**Write the advantages of maintaining a database in Excel.**

## ART



# ART & CRAFT SUMMER HOLIDAY HOMEWORK



CLASS - 8

**NOTE-** Kindly make your work neat and creative. Use colourful materials and paste the work in a handmade folder.

### 1. THREE COLOUR HANGING

- Make a beautiful three colour hanging using colour paper.
- Use the same design as shown in the example given.
- Use only **THREE** colours of the Indian flag (**SAFFRON, WHITE, GREEN**).
- The flower in the centre and the hanging cones should also be in the same three flag colours only.
- Make it neat and attractive.



Use ONLY Indian Flag Colours – Saffron, White & Green

### 2. PISTA SHELL WALL DECOR

- Make a beautiful wall decor using pista shells as shown in the example.
- You can use cardboard, bamboo sticks or waste material for the base.
- Paint it with colours of your choice.
- Arrange the pista shells neatly to make a leaf design.
- Make it neat, creative and attractive.

