



# KCM WORLD SCHOOL, PALWAL

## HOLIDAY HOMEWORK

### GENIUS A, B & C (VII)

(2023-24)

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

Roll No.: \_\_\_\_\_

IT'S  
SUMMER  
TIME

**Summer vacation will commence from June 1, 2023.**


**The School will reopen on July 3, 2023.**

# ENGLISH

The most awaited vacation is about to begin! Summer vacation brings, relaxing afternoons and playful evenings. It also brings a good time to plunge into the sea of imagination and creativity. So let's get ready to learn something new everyday.

## *Project Work*

- **The National Bravery Awards** are a set of awards given to about 25 children annually, usually below the age of sixteen years, for 'meritorious acts of bravery against all odd'.  
Browse the Internet and find out about any one recipient of the National Bravery Awards 2022. Make a presentation with your findings (under parents' supervision).
- **The Champions**  
Find out the current Top 10 chess players of the world. Paste their photographs on a chart paper and mention the awards and/or titles they have won. You may make the chart paper look like a chessboard (as shown in the sample).

	<ul style="list-style-type: none"> <li>- First person to win all three FIDE titles: Blitz, Rapid and Regular.</li> <li>- World Chess Championship (2016)</li> <li>- World Chess Championship (2014)</li> </ul>	<ul style="list-style-type: none"> <li>- World Chess Championship (2013)</li> <li>- Announced the top player in the World by FIDE in January 2010</li> </ul>
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## *It's Writing Work*

- Write an interesting story of your own on an A4 size sheet.  
\* Think about the details you will have in your story.
- **Title**
  - Where will your story take place?
  - Who are the characters?
  - What is the problem in the story?
  - How will your story end?
- **You have travelled by an aeroplane for the first time. Write an e-mail in your fair notebook to your friend sharing your excitement and feelings. You can use the following clues:**
  - \* nervous
  - \* neat and clean airport
  - \* cooperative employees
  - \* description of the flight and how you felt
  - \* saves time, comfortable journey
- **Your parents have decided to take you on a trip to the place of your choice for a few days. They ask you to plan the itinerary. Prepare a well-planned itinerary in about 150 words on A4 sheet from the day of your departure from home to the day of your return. You must give a detailed plan of the places you wish to visit, the time allotted for each of the visits, the mode of travel, and so forth. (Create this itinerary on a pastel sheet)**
- **Write a short poem on Friendship.**

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## Learn Grammar

- Select the combination of numbers so that letters arranged accordingly will form a meaningful word.
- a. T R I F U  
1 2 3 4 5  
(i) 31245                      (ii) 42531                      (iii) 43215                      (iv) 53214
- b. G T A E N M  
1 2 3 4 5 6  
(i) 132546                      (ii) 132645                      (iii) 635142                      (iv) 631542
- Rearrange the letters to get the correct word related to social media.
- a. LEFROSLOW - \_\_\_\_\_ d. EMIOJ - \_\_\_\_\_  
b. HSTAHAG - \_\_\_\_\_ e. OCMTMNE - \_\_\_\_\_  
c. RILAV - \_\_\_\_\_
- Look at the words and phrases below. Rearrange them to form meaningful sentences. The first one has been done as an example.
- Example:** is/ the / receiver / lifted  
The receiver is lifted.
- a. is heard/ is dialed/ when/ the dial tone/ required number/ the  
\_\_\_\_\_
- b. at the other end,/ picked/ when/ into/ the/ the receiver/ a/ one-rupee coin/ is/ is/ dropped/ slot/  
provided  
\_\_\_\_\_
- c. go/ the/ can/ on/ conversation/ three minutes/ for  
\_\_\_\_\_
- d. disconnected/ gets/ after/ soon/ the/ line  
\_\_\_\_\_
- Combine a word from A and one from B to form phrases. Then, replace the words in bold with the phrases you have formed.
- | A     | B     |
|-------|-------|
| day   | cons  |
| far   | well  |
| pros  | downs |
| here  | there |
| ups   | tired |
| alive | wide  |
| sick  | age   |
- "I'm **so tired** of this mess!" said Mum. \_\_\_\_\_
  - Working in the entertainment industry has both **advantages and disadvantages**. \_\_\_\_\_
  - The band have had their **good and bad times**, but now they're very successful. \_\_\_\_\_
  - In this **modern era**, hardly anyone still listens to CDs. \_\_\_\_\_
  - A climber who was missing for two days has been found **healthy and without injuries**. \_\_\_\_\_
  - The director searched **all over the country** for the right actor. \_\_\_\_\_
  - Just changing a word **in a few different places** can turn a bad song into a catchy one.  
\_\_\_\_\_

➤ In each of the following questions, find out which part of the sentence has an error. If the sentence is correct, the answer is 'No error'.

- The teacher called Ravi (i)/ and asked him (ii)/ to describe about the incident. (iii)/ No error (iv)-  
\_\_\_\_\_
- They shouted (a)/ on the top (b)/ of their voice. (iii)/ No error (iv)  
\_\_\_\_\_

➤ Complete these idiomatic expressions and phrases. Choose your answers from the box.

cranny edge verse earth crook necessity post molehill

- do a thing by hook or by \_\_\_\_\_
- make a virtue of \_\_\_\_\_
- search every nook and \_\_\_\_\_
- make a mountain out of a \_\_\_\_\_
- move heaven and \_\_\_\_\_
- be driven from pillar to \_\_\_\_\_
- set teeth on \_\_\_\_\_
- give chapter and \_\_\_\_\_ for something

## हिंदी

- भारतीय नोट पर कौन-कौन सी भाषाएँ लिखी होती हैं? नाम लिखिए।
- क्रिया विशेषण शब्दों को सही शीर्षक के नीचे लिखिए।

सहसा, कुछ, अभी, सदा, बाहर, अधिक, एकाएक, निरंतर झटपट, नीचे, तेज, थोड़ा, तुरंत, दाएँ

रीतिवाचक

कालवाचक

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परिमाणवाचक

स्थानवाचक

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- प्रकृति के सुकुमार कवि कौन हैं? पता लगाइए | उनकी प्रकृति संबंधी कोई एक कविता खोजकर A4 शीट पर लिखिए |

- व्याकरण पुष्प में दिए गए कार्य प्रपत्र 1 से 5 को पुस्तक में कीजिए।
- निम्नलिखित वाक्यों में व्यक्तिवाचक, जातिवाचक और भाववाचक संज्ञाएँ छाँट कर उपयुक्त शीर्षक के नीचे लिखिए -

बीरबल अकबर के दरबार का एक बुद्धिमान मंत्री था। वह अपनी बुद्धिमानी चालाकी और हाजिर जवाबी के लिए प्रसिद्ध था। सम्राट अकबर उसकी सूझबूझ पर मुग्ध थे। समय पढ़ने पर वह युद्ध में भाग लेकर अपनी वीरता का परिचय भी देता था। सभी दरबारी उसकी सराहना करते थे।

व्यक्तिवाचक संज्ञा

जातिवाचक संज्ञा

भाववाचक संज्ञा

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- प्रत्येक उपसर्ग से दो नए शब्द बनाइए-

- अति- \_\_\_\_\_
- उत्- \_\_\_\_\_
- उप- \_\_\_\_\_
- परि- \_\_\_\_\_
- प्रति- \_\_\_\_\_
- सु- \_\_\_\_\_

- सही शीर्षक तक रेखा खींचकर जोड़े बनाइए-

- अ, इ, उ, ऋ दीर्घ स्वर
- आ, ई, ऊ, ए ह्रस्व स्वर
- क, च, ट, त अंतस्थ व्यंजन
- स, श, स, ह स्पर्श व्यंजन
- य, र, ल, व ऊष्म व्यंजन

- दिए गए शब्दों के पर्यायवाची शब्दों को छाँट कर लिखिए -

सरोवर, असत्य, नवीन, मिथ्या, कोकिल, बाधा, गुस्सा, वसंतदूत, सर, आक्रोश, रुकावट, नूतन

(क) कोयल \_\_\_\_\_ (ख) तालाब \_\_\_\_\_

(ग) नया \_\_\_\_\_ (घ) झूठ \_\_\_\_\_

(घ) क्रोध -----

(ड) अडचन -----

(च) कोयल -----

➤ **वर्ग में लिखे समस्त पदों को छाँटकर सही शीर्षक के नीचे लिखें-**

माता -पिता	तिरंगा	यथाविधि	गंगा यमुना
प्रतिदिन	यथोचित	देवालय	दाल-भात
राजभाषा	सुख-दुख	माखन चोर	नवरात्र
परीक्षा केंद्र	चौराहा	भरपेट	त्रिफला

अव्ययी भाव समास	तत्पुरुष समास	द्वंद्व समास	द्विगु समास

➤ **निर्देशानुसार कारक और विभक्ति प्रयोग करके वाक्य बनाइए-**

- से                      करण कारक                      -----
- के लिए              संप्रदान कारक                      -----
- का                      संबंध कारक                      -----
- पर                      अधिकरण कारक                      -----

➤ **निम्नलिखित वाक्यांशों को पढ़कर सही जोड़े बनाइए।**

- वाक्य समाप्ति पर                      अल्प विराम
- प्रश्न पूछने पर                      योजक चिह्न
- थोड़ा रुकने पर                      विस्मयादिबोधक चिह्न
- दो शब्द जोड़ने पर                      लाघव चिह्न
- हर्ष आदि भाव प्रकट करने पर                      पूर्ण-विराम
- संक्षेप में लिखने पर                      प्रश्न चिह्न

➤ **सीमा पर तैनात किसी सैनिक की डायरी का एक पृष्ठ अपनी कल्पना के आधार पर लिखिए -**

दिनांक \_\_\_\_\_

वार \_\_\_\_\_

समय \_\_\_\_\_

प्रिय डायरी

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➤ **परियोजना कार्य -**

- 'डॉ० ए पी जे अब्दुल कलाम जी ' अथवा ' लाल बहादुर शास्त्री जी ' के जीवन पर आधारित ईमानदारी की किसी एक सच्ची घटना को संकलित कीजिए। (A4 शीट) (अनुक्रमांक 1 से 15)
- भारत में बोली जाने वाली भाषाओं को उनके क्षेत्र के अनुसार भारतीय मानचित्र पर दर्शाइए। (A4 शीट) (अनुक्रमांक 16 से 30)
- हमारा शरीर पाँच तत्वों से मिलकर बना है -हवा, पानी, पृथ्वी, सूर्य और आकाश। इन्हीं के पर्यायवाची शब्द लिखकर सचित्र दर्शाइए। (A4 शीट) ) शेष सभी अनुक्रमांक(

➤ **बहुविकल्पीय प्रश्न**

- दिए गए शब्दों में शुद्ध वर्तनी वाला शब्द है -  
(क) सर्वोत्तम (ख) संसरिक (ग) सच्चिदानन्द (घ) कीर्ती
- दो अलग-अलग भाषाओं के मेल से बना हुआ शब्द क्या कहलाता है ?  
(क) तदभव (ख) देशज (ग) विदेशज (घ) संकर
- हिन्दी भाषा में कुल कितने वर्ण हैं?  
(क) 44 (ख) 48 (ग) 52 (घ) 56
- निम्नलिखित में से कौन - सा शब्द रूढ़ शब्द नहीं है?  
(क) दिन (ख) आँख (ग) विज्ञान (घ) घोड़ा
- बोली का क्षेत्र जब थोड़ा विकसित हो जाता है , और उसमें साहित्य की रचना होने लगे, वह क्या बन जाता है?  
(क) ब्रजभाषा (ख) उपभाषा (ग) लिपि (घ) क्षेत्रीय रूप
- दो वर्णों के मेल से होने वाले विकार या परिवर्तन को क्या कहते हैं ?  
(क) संधि (ख) समास (ग) उपसर्ग (घ) प्रत्यय

- उपसर्ग का प्रयोग होता है -  
(क) शब्द के आदि में (ख) शब्द के मध्य में (ग) शब्द के अन्त में (घ) इनमें से कोई नहीं
- 'प्रत्येक' शब्द में कौन सा उपसर्ग है?  
(क) प्र (ख) प्रति (ग) एक (घ) इक
- गरीबों की सहायता करो। 'गरीब' शब्द क्या है?  
(क) विशेषण (ख) विशेष्य (ग) जातिवाचक संज्ञा (घ) भाववाचक संज्ञा
- सभा का पर्यायवाची कौन सा नहीं है?  
(क) सम्मिलित (ख) परिषद (ग) बैठक (घ) महावर्तन
- 'निर्मल' का विलोम शब्द है -  
(क) मलिन (ख) विनीत (ग) उत्तम (घ) कोमल
- 'उद्देश्य' और 'विधेय' किसके अंग है?  
(क) वाक्य (ख) पद (ग) शब्द (घ) समास
- "यद्यपि मोहन धनी है तथापि बहुत दुःखी है" | रचना के आधार पर वाक्य का भेद है -  
(क) साधारण वाक्य (ख) संयुक्त वाक्य (ग) मिश्र वाक्य (घ) उपरोक्त में से कोई नहीं
- विशेषण और विशेष्य के योग से कौन-सा समास बनता है?  
(क) द्विगु समास (ख) कर्मधारय समास (ग) द्वंद्व समास (घ) तत्पुरुष समास
- निम्नलिखित में से कौन-सा शब्द क्रिया विशेषण है?  
(क) तेज (ख) बुद्धिमान (ग) मीठा (घ) पहला
- 'पानी पीकर जात पूछना' का अर्थ है  
(क) अनोखा काम करना (ख) विपरीत काम करना  
(ग) काम निकलने के बाद सोचना (घ) आराम से विचार करना
- संधि-विच्छेद पूरा कीजिए:  
(क) गंगा + ..... = गंगोदक (ख) ..... + ईश = नरेश  
(ग) लघु + ..... = लघुत्तर (घ) धीर + ..... = धीरेंद्र  
(ङ) ..... + उक्ति = लोकोक्ति
- सही मिलान कीजिए:  
1. संध्या, सायं (क) पयोद, वारिद  
2. प्रेम, अनुराग (ख) उज्ज्वल, धवल  
3. बर्फ़ तुहिन (ग) शाम, दिवांत  
4. श्वेत, सफ़ेद (घ) ग्रीष्म, निदाघ  
5. संपूर्ण, सारा (ङ) राघव, रघुनंदन



6. राम, रामचंद्र (च) सकल, समस्त  
 7. गरमी, ताप (छ) प्रीति, स्नेह  
 8. बादल, जलद (ज) तुषार, हिम

नोट : ग्रीष्मावकाश लेख में सुधार लाने का एक सुंदर अवसर है। आइए अपने लेख को सुधारने के लिए अपनी अभ्यास पुस्तिका में 10 पेज सुलेख, समाचार पत्र के माध्यम से लिखने का प्रयास करें।

## MATHEMATICS

➤ Solve the given sums in your PC and write the answer here.

- $\frac{P}{15} = \frac{Q}{10}$  and  $\frac{Q+7}{36} = \frac{5}{12}$ , then the value of  $\frac{P}{Q}$  is \_\_\_\_\_.
- The product of two integers is  $-216$ . If one of the integers is  $6$ , then the other integer is \_\_\_\_\_.
  - The value of expression  $42 - (-152) + (-9) - (-39) + (-45) - 28 - 85$  is \_\_\_\_\_.
  - The temperature of a city at 2:00 p.m. was  $15^{\circ}\text{C}$ . Every hour it decreases by  $3^{\circ}\text{C}$ . The temperature at 7:00 p.m. will be \_\_\_\_\_.
  - In a shooting game, Rohan has 3 hits more than number of misses. If each hit earns him 2 points and each miss earns him  $-1$  point, how many times did he shoot in all, if his score is 23? \_\_\_\_\_
  - How many sixes are there in  $8\frac{1}{2}$  \_\_\_\_\_.
  - The diameter of earth is 12756000 m. Few years ago, a new planet was discovered whose diameter is  $\frac{5}{43}$  of the diameter of earth. The radius of the planet (in km) is \_\_\_\_\_.
  - A lady bought  $8\frac{1}{2}$  kg of flour. She used  $4\frac{3}{4}$  kg to bake some cakes and packed the remaining into 5 equal packets. The weight of the flour in each packet is \_\_\_\_\_
  - If  $\frac{1}{3} + \frac{1}{2} + \frac{1}{x} = 4$ , then  $x$  is \_\_\_\_\_.
  - The difference of  $1\frac{3}{16}$  and its reciprocal is equal to \_\_\_\_\_.
  - When 0.36 is written in simplest fractional form, the sum of the numerator and the denominator is \_\_\_\_\_.
  - The thickness of 54 sheets of paper is 15.12 mm. The thickness of each sheet (in cm) is \_\_\_\_\_.
  - If  $\frac{547.527}{0.0082} = x$ , then the value of  $\frac{547527}{82}$  is \_\_\_\_\_.
  - A car covers a distance of 89.1 km in 2.2 hours. The average speed of the car is \_\_\_\_\_.
  - A flask weighs 64.27 g when empty and 150.35 g when full of water. Its weight when it is half full of water is \_\_\_\_\_.
  - A boy was asked to write the value of  $2^5 \times 9^2$ . He wrote it as 2592. The difference between the obtained value and the actual value is \_\_\_\_\_.

- If 'm' and 'n' are whole numbers such that  $m^n = 121$ , then the value of  $(m - 1)^{n+1}$  is \_\_\_\_\_.
- The diameter of the Earth is 1,27,56,000 m. This when expressed in the standard form is equal to \_\_\_\_\_.
- If  $\left(\frac{5}{3}\right)^{-5} \times \left(\frac{5}{3}\right)^{11+x} = \left(\frac{25}{9}\right)^{8x-12}$ , then  $x$  is equal to \_\_\_\_\_.
- If  $5^{x+3} = 25^{3(x-4)}$ , then the value of  $x$  is \_\_\_\_\_.
- If  $\frac{9^n \times 3^5 \times (27)^{(x-4)}}{3 \times (81)^4} = 27$ , then  $n$  is equal to \_\_\_\_\_.
- $1 - 2 + 3 - 4 + 5 - 6 + 7 - 8 + 9 - 10 + 11 - 12 =$  \_\_\_\_\_.
- The number of pieces each  $3\frac{3}{4}$  metres long that can be cut from a rope 30 metres long are \_\_\_\_\_.
- $24.2 \div 55000 =$  \_\_\_\_\_.
- The value of  $\frac{a^{-17} \times (a^4)^8 \times (8a^3)^{2/3}}{(16a^4)^{\frac{1}{4}} \times (a^2)^8}$  is \_\_\_\_\_.
- After rotating by  $60^\circ$  about the centre, a figure looks exactly the same as it looks in its original position. It possesses rotational symmetry of the order \_\_\_\_\_.
- A bicycle wheel with 32 spokes has rotational symmetry of the order \_\_\_\_\_.
- $\frac{1}{9}$  of an hour is \_\_\_\_\_ . (upto 2 decimal places)
- The number which when divided by 520 gives the same quotient as 85 divided by 0.625 is \_\_\_\_\_.
- What is the angle of rotation if the order of rotational symmetry in figure is (i) 2 (ii) 3 (iii) 4 (iv) 10.

**Note- Write and learn squares of 1 to 40 and cubes of 1 to 20.**

# Science

## PHYSICS

1. Create a **Sand Clock** or **Water Clock** by reusing the items.
2. Make a simple **working model** to show any four types of motion.

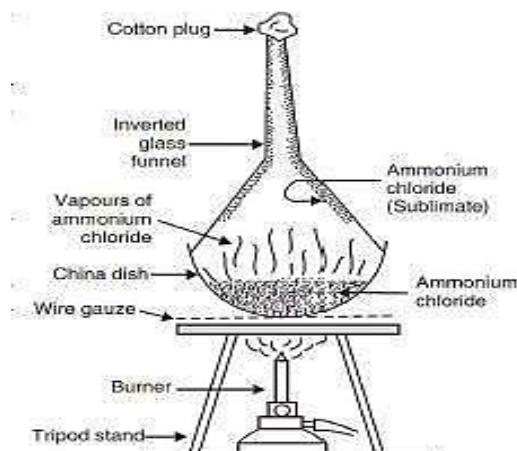
### NOTE-

- (i) Solve the Olympiad/HOTS Corner from course book (page no.-50) in the practice copy.
- (i) Revise the syllabus of May month from fair notebook.
- (ii) Learn short answer type questions (41,45,70,71,81,93) from course book (page number-45).

## CHEMISTRY

➤ **Observe the diagram carefully and answer the following questions:**

- What name is given to the phenomenon which is taking place?
  - (a) condensation
  - (b) evaporation
  - (c) sublimation
  - (d) vaporisation
- The conversion of a solid into vapours without passing through the liquid state is called:
  - (a) vaporisation
  - (b) fusion



(c) sublimation (d) freezing

- One of the following does not undergo sublimation. This one is:  
(a) iodine (b) sodium chloride  
(c) ammonium chloride (d) camphor
- When heat is constantly supplied by a burner to boiling water, then the temperature of water during vaporisation :  
(a) rises very slowly (b) rises rapidly until steam is produced  
(c) first rises and then becomes constant (d) does not rise at all
- During summer days, water kept in an earthen pot (pitcher) becomes cool because of the phenomenon of :  
(a) diffusion (b) transpiration (c) osmosis (d) evaporation

➤ **Tick the correct option:**

- Which of the following metals gives reddish powder on reaction with  $O_2$  at higher temperature?  
(a) Fe (b) Pb (c) Zn (d) Sn
- The process of separating a mixture of two or more liquids with different boiling points is called  
(a) filtration (b) distillation (c) fractional distillation (d) decantation
- With increase in altitude the temperature in the stratosphere  
(a) First remains almost constant and then increases (b) Decreases  
(c) Remains same (d) First decreases and then increases
- Name the state of matter in which the particles move randomly because of a fragile force of attraction.  
(a) Solid (b) Liquid (c) Gas (d) All of these
- Which of the following are used in air conditioning and refrigeration systems?  
(a) CO (b)  $CO_2$  (c) CFCs (d)  $O_3$

➤ **Answer the following questions briefly:**

- Draw the diagram of candle flame and label all the zones. Explain each of the zone.
- Classify the following into elements (E), compounds (C) and mixtures (M).  
(a) Sodium \_\_\_\_\_ (b) Soil \_\_\_\_\_ (c) Sugar solution \_\_\_\_\_ (d) Silver \_\_\_\_\_  
(e) Calcium carbonate \_\_\_\_\_ (f) Tin \_\_\_\_\_ (g) Silicon \_\_\_\_\_
- Why we are able to sip hot tea or milk faster from a saucer rather than a cup?

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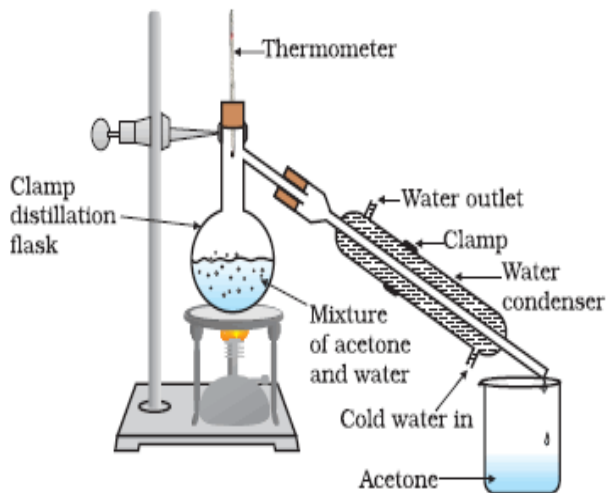
➤ **Name the following:**

- A substance when added to atmosphere produces adverse effects to human kind and surroundings is called \_\_\_\_\_.
- Two miscible liquids can be separated by \_\_\_\_\_.
- The process in which a protective layer of tin is coated on iron sheets is called \_\_\_\_\_.
- The instrument used to measure the atmospheric pressure is called \_\_\_\_\_.

# ACTIVITY

➤ **Observe the following activity and answer the following questions:**

- A mixture of acetone and water can be separated by:
  - (a) Filtration                      (b) Decantation
  - (c) Fractional distillation      (d) Sublimation
- Distillation is the best method to separate liquids having sufficient difference in their \_\_\_\_\_:
  - (a) solubility                      (b) melting point
  - (c) boiling point                  (d) none of the above
- Define distillation with example.



\_\_\_\_\_

\_\_\_\_\_

- Read and learn all the separation techniques from Ch-1 (Matter and its classification).
- Learn Practice Questions of Ch-1 and Ch-4 (till carbon dioxide).

## BIOLOGY

➤ **Complete the following words related to biology:**

- |                                    |                              |                             |
|------------------------------------|------------------------------|-----------------------------|
| a) Fr__ ct __ s __                 | b) P__ yl __ qu __ n __ n __ | c) As __ o __ bi __ ac __ d |
| d) S __ m __ i __ s __ s           | e) En __ m __ l              | f) P__ r __ st __ l __ i __ |
| g) Em __ ls __ f __ c __ t __ o __ | h) C __ ec __ m              | i) C __ a __ s __ r         |
| j) R __ s __ l __ en __ e          | k) F __ l __ t __ re         |                             |

➤ **Mark true or false:**

- Respiratory allergy arises from inhaled air. \_\_\_\_\_
- The process of sloughing off of skin is known as filature. \_\_\_\_\_
- Staple strength means the energy needed to snap a specific staple thickness. \_\_\_\_\_
- After water, protein is the most abundant substance present in the human body. \_\_\_\_\_
- Water soluble vitamins are A, D, E and K. \_\_\_\_\_
- Incisors help in tearing of food. \_\_\_\_\_
- In amphibians such as adult frogs, exchange of gases takes place through gills. \_\_\_\_\_
- Air pressure in lungs increases when lungs expand during inhalation. \_\_\_\_\_
- Whales and dolphins possess gills for respiration. \_\_\_\_\_

➤ **Fill in the blanks:**

- \_\_\_\_\_ contains taste buds which help us to taste.
- \_\_\_\_\_ helps in easy passage of food into stomach.
- Protein digestion starts in \_\_\_\_\_.
- The enzyme present in the \_\_\_\_\_ juice breakdown starch into glucose.
- Faecal matter is eliminated out of the body through \_\_\_\_\_.
- The wool is \_\_\_\_\_ before processing.
- The most common silk moth is \_\_\_\_\_ silk moth.

- \_\_\_\_\_ silk is less strong than \_\_\_\_\_ silk.
- Trachea divides into two branches called \_\_\_\_\_.
- End products of aerobic respiration are \_\_\_\_\_, \_\_\_\_\_ and energy.
- Earthworms and leeches breathe through their moist and slimy \_\_\_\_\_.

➤ **Answer the following:**

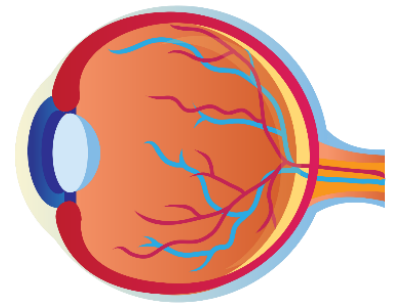
- Name two plants that exhibit partially heterotrophic mode of nutrition. \_\_\_\_\_
- Name the bacteria that exhibit symbiotic association with roots of legumes. \_\_\_\_\_
- What type of energy conversion takes place during photosynthesis? \_\_\_\_\_
- What happens to the food in small intestine? \_\_\_\_\_
- Name the type of wool obtained from angora goat. \_\_\_\_\_
- What is cocoon? \_\_\_\_\_
- What is the function of tiny hair and mucus present in nose? \_\_\_\_\_
- Give one function of stomata. \_\_\_\_\_
- Define cellular respiration. \_\_\_\_\_

➤ **Draw colourful diagrams of the following on A4 sheets:**

- a) Human digestive system                      b) Human respiratory system                      c) Stomata

## SCIENCE RESEARCH: THE HUMAN EYE

### K-W-L CHART



➤ Find books about the human eye. Spend a few minutes flipping through the books. Then fill in the first two columns of the chart below. Fill in the last column after you have done your research.

WHAT I KNOW	WHAT I WANT TO KNOW	WHAT I LEARNED

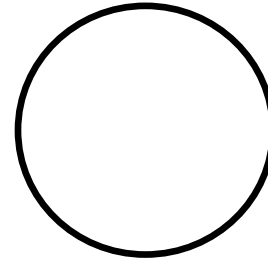
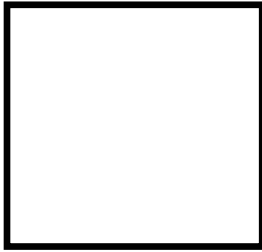
## SCIENCE RESEARCH: HUMAN EYE

- What does the eye look like?  
\_\_\_\_\_  
\_\_\_\_\_
- What is the function of the eye?  
\_\_\_\_\_  
\_\_\_\_\_
- What are the main parts of the eye?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- Why is the human eye important?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- What are common eye problems?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- How do you keep your eye healthy?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

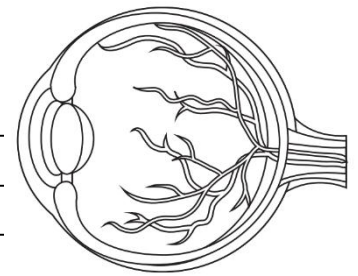


## TAKING CARE OF THE EYES

- Draw different ways to take care of the eyes in the shapes given below. Describe each drawing in brief.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



➤ Look at the illustration of the human eye. Label its parts and write the function of each part.



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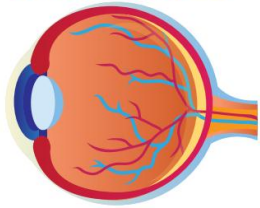
 **NEW VOCABULARY**

➤ What new words have you learned as you did your research? Write them below.

WORD	MEANING	PICTURE

# SCIENCE RESEARCH REPORT

TOPIC: HUMAN EYE



**Key Points:** \_\_\_\_\_

\_\_\_\_\_

**Summary:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## SOCIAL SCIENCE

### (HISTORY)

➤ **Fill in the blanks:**

- Experts who study the remains of the past are called \_\_\_\_\_.
- Literary and archaeological sources are used to study \_\_\_\_\_ Indian history.
- In India, the medieval period status for nearly a \_\_\_\_\_ years.
- The beginning of the medieval period in India witnessed the coming of \_\_\_\_\_ and \_\_\_\_\_ invasions.
- A new class of clerical staff emerged, known as the \_\_\_\_\_.
- \_\_\_\_\_ plundered the rich cities of North India such as Nagarkot, Thaneshwar, Mathura and Kannoj.
- \_\_\_\_\_ wrote a book on India called the 'kitab-ul-Hind'.
- The \_\_\_\_\_ came into prominence in the 9th century.
- The word Rajputra means the '\_\_\_\_\_ '.
- \_\_\_\_\_ was the Assembly of learned people.

### (GEOGRAPHY)

➤ **Write (T) for true and (F) for false statements:**

- Appropriate disposal of harmful wastes is a health hazard. \_\_\_\_\_
- Any change in the physical environment brings about a change in the biological environment. \_\_\_\_\_





## Sanskrit

- अपनी परियोजना - पुस्तिका में अपने जन्मदिन का चित्र लगाकर पाँच वाक्यों में संस्कृत में वर्णन कीजिए।
- भारत के प्रसिद्ध स्मारकों के नाम व स्थान संस्कृत में लिखिए व प्रत्येक का चित्र लगाकर सुंदर चार्ट तैयार कीजिये।
- श्रीमद्भगवद गीता के कोई तीन श्लोक उत्तरपुस्तिका में लिखिए व याद करिए।
- 1 से 50 तक संस्कृत संख्यावाची शब्द उत्तरपुस्तिका में लिखिए व याद करिए।
- 'मम् परिचय' से संबंधित दस वाक्य संस्कृत में उत्तरपुस्तिका में लिखिए।

नोट- समस्त कार्य संस्कृत की उत्तरपुस्तिका में करना है।

## Computer

- Write a slogan on “cyberbullying” under the theme “Stay Safe Online” on A4 size sheet

## ART & CRAFT

Dear Parents

Kindly use the link given below (shared in the WhatsApp group also) and help your ward to make Rose Flowers Bouquet (For grade 7A), Bunch of flowers (For grade 7B) & Decorative file folder (For grade 7C), to be submitted alongwith holiday homework booklet.

**Grade 7A-** <https://youtu.be/BEIKybPODcY>

**Grade 7B-** <https://www.instagram.com/reel/CoDvGkqsbDu/?igshid=MDJmNzVkMjY=>

**Grade 7C-** <https://youtu.be/kbaTwcVctGI>

**NOTE :** Parents are requested to ensure that the students complete all the assignment sheets given to them alongwith this booklet during Summer Vacation.