

SCIENCE OLYMPIAD

PRACTICE BOOK



GRADE
3

The Science Olympiad series is an initiative of International Society for Olympiad (ISFO)
International Society for Olympiad acknowledges the contribution of all its authors, content writers and
designers in the creation of this book.

Copyright ©International Society for Olympiad

All rights are reserved with the publisher. No part of the work may be reproduced, stored in retrieval system
or transmitted in any form or by any means, electronic, mechanical, photocopying, microfilming, recording or
otherwise, without the prior written permission of the publisher.

Any errors or omissions are unintentional. We would be grateful for notification of corrections that should be
incorporated in the future reprints.

First Published - 2016

Revised Edition - 2017

Revised Edition - 2018

Revised Edition - 2019

Published by

International Society for Olympiad

193, Ganpati Enclave, Jharsa Road, Gurgaon (India)

www.isfo.in

Preface



Our education system effectively provides an introduction to the concepts of Math and Science and helps us understand the underlying concepts. But in its overly generalized approach, which aims to enlighten and test all students of varying caliber and interests, it leaves the exploration of application of all these concepts completely on the students.

This workbook is designed to enable students to explore Science effectively. Designed in accordance with the requirements of the Science Olympiads, the workbook is an efficient tool to achieve comprehensive success at the **ISFO – Science Olympiad**.

The main aim of this workbook is to assist students in developing and improving their ability to solve problems.

Each chapter of the book consists of 3 sets of questions.

- **Section A** (Scientific Reasoning) : This section is created to test the knowledge of scientific concepts and topics pertaining to the respective grades.
- **Section B** (Everyday Science) : This section deals with the application of the concept learnt.
- **Section C** (BrainBox) : Questions to prepare students with HOTS (Higher Order Thinking Skills), based on the syllabus provided.

Logical Reasoning section is provided to equip students with verbal and non-verbal analysis and reasoning skills.

Sample Test Papers and Answer keys have been provided to accelerate the learning process.



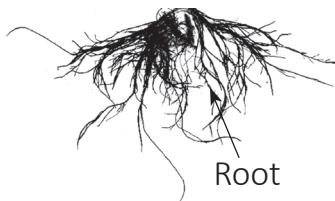
Contents

1. Plants	5
2. Animals and Birds	10
3. Human Body	16
4. Earth and The Universe	22
5. Matter and Material	27
6. Light, Sound and Force	32
7. Natural Resources	37
8. Soil	42
9. Logical Reasoning	47
Answers	51





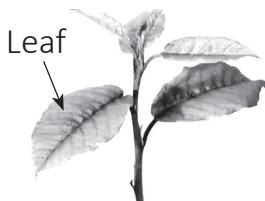
DIFFERENT PARTS OF A PLANT



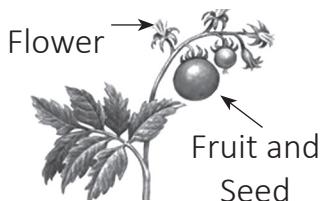
Root



Stem



Leaf



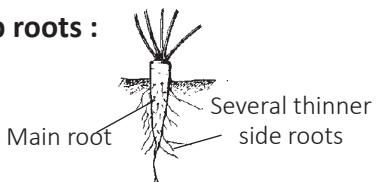
Flower

Fruit and Seed

Root : It fixes the plant in the soil. It takes in water and minerals from the soil.

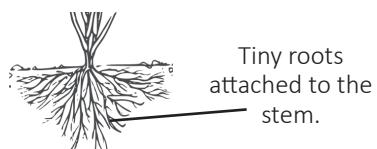
Plants have either tap roots or fibrous root.

Tap roots :



Examples : Balsam, Hibiscus, Bean and Mustard

Fibrous root:

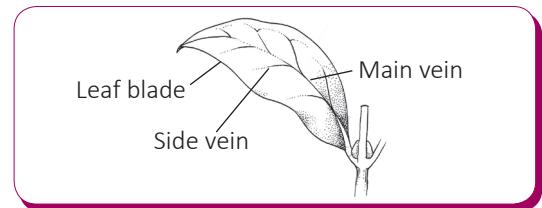


Examples : Grass, wheat and rice

Stem: It supports the plant and carries water and food to different parts of the plant.

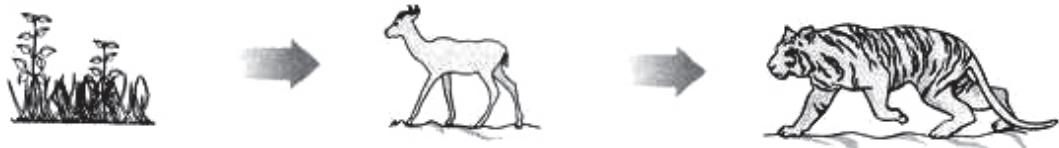
Leaf: Green leaves make food using water, sunlight and carbon dioxide.

Flower, Fruit and Seed: Flower change into fruits, which have seeds inside them. Seeds grow into new plants.



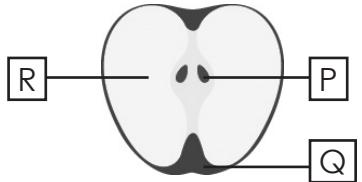
Food Chain

A food chain shows how each living being gets its food. Some animals are herbivores (plant eating, e.g. cow), some are carnivores (flesh-eating, e.g. tiger) and some are omnivores (both plant and flesh eating, e.g. bear). All food chains begin from plants.



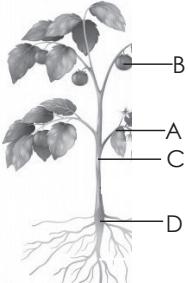
Food web: A network of many food chain is called food web.

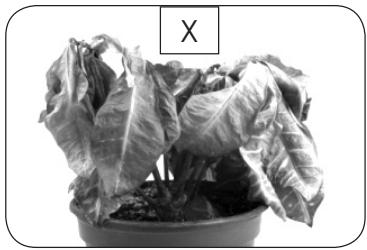
SECTION - A : SCIENTIFIC REASONING

1. Which of the following plants store food in its roots?
 - a. Onion
 - b. Carrot
 - c. Mango
 - d. All of these
2. Which of these is not an underground stem?
 - a. Turnip
 - b. Ginger
 - c. Potato
 - d. Radish
3. Which part of plant takes in minerals and water from the soil?
 - a. Stem
 - b. Tap root
 - c. Fibrous root
 - d. Both b. and c.
4. Which of the following parts of a plant contains seeds?
 - a. Stem
 - b. Flower
 - c. Fruit
 - d. Leaf
5. Find the incorrect match.
 - a. Makes food- Leaf
 - b. Absorbs water and minerals- Root
 - c. Grow into a new plant- Seeds
 - d. Fixes plant in the soil- Stem
6. As you breathe from your nose, plants breathe through me. I am present in all leaves.
Guess what am I?
 - a. Leaf
 - b. Leaf blade
 - c. Stomata
 - d. Thorns
7. Which of the following plants has thorns?
 - a. Rose
 - b. Cactus
 - c. Brinjal
 - d. Both a. and b.
8. Which of the following statements is correct about leaves?
 - a. Leaves prepare food for plants.
 - b. Leaves produce oxygen only for plants.
 - c. Leaves hold plants firmly in the soil.
 - d. Leaves produce seed.
9. The given figure shows the cross section of an apple. Which part of the apple (P, Q and R) will grow into a new plant, under suitable conditions?
 - a. P
 - b. Q
 - c. R
 - d. none of these
10. Identify the fibrous root from the following pictures.
 - a. 
 - b. 
 - c. 
 - d. none of these

11. Which of the following is a herb?
- Banana plant
 - Neem tree
 - Bryophyllum
 - Mushroom
12. Select the odd one out.
- Sugarcane
 - Celery
 - Asparagus
 - Carrot
13. The process of plants making their own food with the help of oxygen, water, sunlight, carbon dioxide, and chlorophyll is called _____.
- Photocopy
 - Photograph
 - Photosynthesis
 - All of these
14. Certain plant based foods are listed in Group 1 and Group 2. Select a correct option to add in Group 2.
- | Group 1 | Group 2 |
|------------|------------|
| 1) Spinach | 1) Brinjal |
| 2) Mint | 2) Mango |
| 3) Lettuce | 3) _____ |
15. Which of the following plant parts is correctly matched to its function?
- | Part | Function |
|-----------|--------------------------------|
| a. Stem | absorb water |
| b. Root | transports water to the leaves |
| c. Leaf | photosynthesizes to make food |
| d. Flower | grows into new plants |

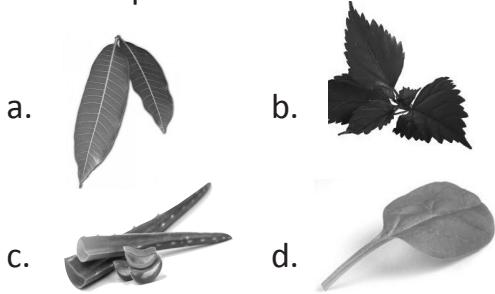
SECTION - B : EVERYDAY SCIENCE

16. Three potted plants (P, Q and R) were left in the flower pot for three days, under following condition as shown in pictures.
- 
- P Q R
- Which of these will be able to make food during these three days?
- P
 - Q
 - P and Q
 - P, Q and R
17. Which labelled part is present only in adult plants and not in young plants?
- A
 - B
 - C
 - D
- 
18. The plant shown in box - X looks unhealthy. Which of the following conditions may be responsible for such condition of the plant?



- I. No water
 - II. No light
 - III. No minerals
 - IV. Attacked by disease
- a. I and II
 - b. II and III
 - c. I, II, III and IV
 - d. III and IV

19. Which of the following leaves is of a hibiscus plant?



20. Choose the odd one out.

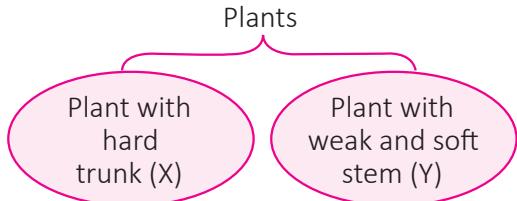
- a. rice, wheat, fruit, vegetables
- b. wood, medicines, meat, cotton
- c. flower, stem, root, leaves
- d. leaf, main vein, leaf blade, side vein

SECTION - C : BRAINBOX

21. I am the edible part of my plant and grows below the soil. I am juicy and crunchy. Red orange in colour, I can be eaten both raw and cooked. Which of the following scrambled letters make my name? .

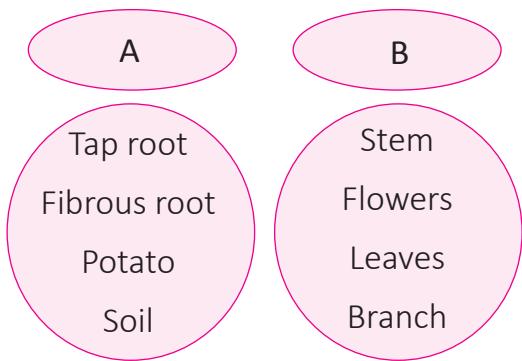
- a. TRACOR b. AMOTTO
- c. ANBAAN d. CHERRY

22. Give suitable example of X and Y.



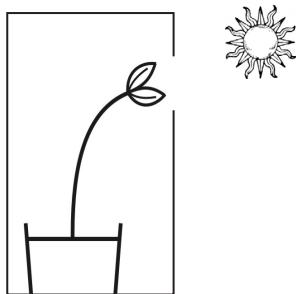
- a. X- Mango tree Y- Tea plant
- b. X- Neem tree Y- Rose plant
- c. X- Peepal tree Y- Cactus
- d. X- Grass, Y- Brinjal plant

23. Give suitable heading to A and B by choosing the correct option.



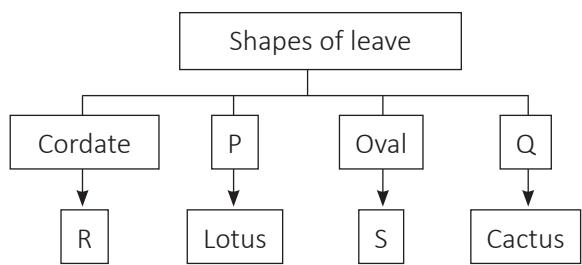
- a. A- Root
B- Shoot
- b. A- Root System
B- Shoot System
- c. A- Shoot
B- Root System
- d. A- Upper parts of plants
B- Lower parts of plants

24. Which of the following best explains the growth of the plant in the given figure?



- a. The plant has a weak stem.
- b. The plant has no space to grow upwards.
- c. The plant grows towards sunlight.
- d. The plant needs more air.

25. Study the given flowchart carefully and identify P, Q, R and S.



- a. P- round, Q- spine, R- peepal, S- guava
- b. P- round, Q- needle, R- neem, S- apple
- c. P- needle, Q- round, R- peepal, S- guava
- d. P- round, Q- spine, R- guava S- peepal

Darken your choice with HB pencil –

- 1. (a) (b) (c) (d)
- 2. (a) (b) (c) (d)
- 3. (a) (b) (c) (d)
- 4. (a) (b) (c) (d)
- 5. (a) (b) (c) (d)
- 6. (a) (b) (c) (d)
- 7. (a) (b) (c) (d)

- 8. (a) (b) (c) (d)
- 9. (a) (b) (c) (d)
- 10. (a) (b) (c) (d)
- 11. (a) (b) (c) (d)
- 12. (a) (b) (c) (d)
- 13. (a) (b) (c) (d)
- 14. (a) (b) (c) (d)

- 15. (a) (b) (c) (d)
- 16. (a) (b) (c) (d)
- 17. (a) (b) (c) (d)
- 18. (a) (b) (c) (d)
- 19. (a) (b) (c) (d)
- 20. (a) (b) (c) (d)
- 21. (a) (b) (c) (d)

- 22. (a) (b) (c) (d)
- 23. (a) (b) (c) (d)
- 24. (a) (b) (c) (d)
- 25. (a) (b) (c) (d)

Animals and Birds

- The body of a bird is streamlined which makes it easy to fly.
- Most birds have hollow bones. This reduces their weight and helps them to fly.
- Birds lift up in the air by flapping their wings upwards, called upstroke, and downwards, called downstroke.



Beaks

The shape of bird's beak and claws are suited to the type of food it eats.



Claws

Short and curved to crack nuts and seeds e.g. parrot.

Long and curved to suck nectar e.g. humming bird.

Broad and flat with holes at the sides to take in muddy water with insects and to filter water through holes e.g. duck.

Long and pointed to catch fish in water e.g. crane.

Sharp and chisel shaped to make hole in a tree trunk and pull out insects e.g. woodpeckers.

- Birds build nests to lay eggs.
- The tailor bird uses its beak like a needle to sew leaves to make nest.
- The weaver bird weaves grass in and out with its beak to make a beautiful nest with a tunnel like opening at the bottom of it.

- : Feathers :-

- The wings and the tail of a bird consist flight feathers.
- These are meant for flying and balancing.
- Down feathers are short and soft feathers to keep the bird warm.
- Body or contour feathers give streamlined shape to the bird's body.

Animals have different feeding habits. Some of them are:

- tear and chew: flesh and have sharp, pointed and curved front teeth e.g. lions, foxes and dogs.
- swallow their food whole e.g. snakes and frogs.
- gnaw with sharp front teeth into seeds and fruits e.g. rabbits and squirrels.
- lap milk or water with their tongue e.g. cats and dogs.
- chew cud with grinding teeth e.g. cows and buffaloes.
- suck nectar or blood e.g. butterfly or mosquito and leeches.

SECTION - A : SCIENTIFIC REASONING

1. Select the odd one out.



a.



b.



c.



d.



Ostrich

2. What is the similarity between the animals given in the pictures? Select the correct option.



Octopus



Dolphin

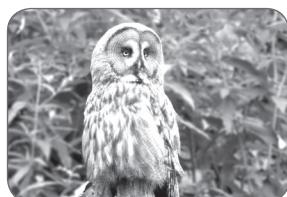


Whale

3. Human beings are _____ .

- a. herbivores
- b. carnivores
- c. omnivores
- d. none of these

4. The bird in the picture eats:



- a. plants and green leaves

- b. rats, mice and rabbits

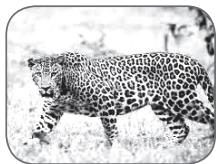
- c. cooked vegetable and chapatti

- d. none of these

5. Which of the following living beings will die if there are no green plants on the Earth?



a.



b.



c.

- d. all of these

6. What helps a duck to swim in water? Choose the correct option.

- a. Long legs
- b. Webbed feet
- c. Sharp and pointed feet
- d. Small and weak legs

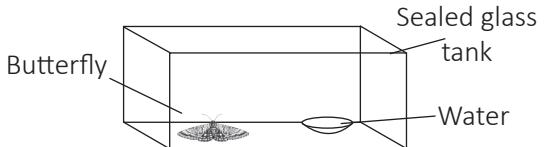
7. What is the function of the tail of a fish?

- a. It helps the fish to catch its prey in water.
- b. It helps the fish to breath in water.
- c. It helps the fish to change its direction in water.
- d. It helps the fish to stay upright.

8. Which of the following animals is covered with hair or fur?
- Land animals
 - Birds
 - Fish
 - Insects
9. Which of the following birds has long, strong and hooked beak?
- Parrot
 - Pigeon
 - Vulture
 - Peacock
10. Which of the following statements is correct?
- Birds have streamlined bodies that help them swim.
 - Perching birds have four toes in the front and one at the back.
 - Birds have hollow bones. This reduces their weight and helps them fly.
- A and B
 - B and C
 - C
 - None of these
11. Who among the following friends is/are correct?
- Ajay – All aquatic animals live in the water.
 - Anita – Birds have hollow bones that help them fly.
- C. Gita – All land animals do not live on trees.
- D. Girish – Insects lay eggs.
- Ajay and Anita
 - Ajay and Gita
 - Ajay and Girish
 - All of them
12. Which of these birds uses its beak as needle to sew leaves with materials like thread and wool?
- Tailor bird
 - Peacock
 - Weaver bird
 - Woodpecker
13. Which of these birds builds its nest on the ground from pebbles and stones?
- Eagle
 - Hen
 - Penguin
 - Crow
14. Look at the given poster. Based on the given information, which of the following statement is wrong about the lost animal?
- Lost Animal**

The animal we seek is a type of insect. It has six legs and can fly.
- It is a reptile.
 - It can fly and suck nectar from flowers.
 - It has a pair of antennae.
 - It lays eggs.

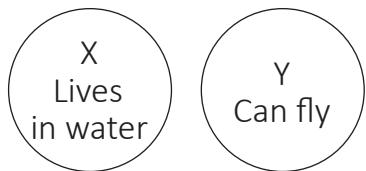
15. Rekha picked up an injured butterfly and placed it in a glass tank, in order to help it recover. She put a dish of water and sealed the tank. Sadly, the butterfly died after some time. What was lacking for the butterfly in the tank?



- a. Air
- b. Air and food
- c. Food and water
- d. Air, food and water

SECTION - B : EVERYDAY SCIENCE

16. Which of the following statement is correct about 'X' and 'Y'?



- a. X- represents fish
Y- represents bird
- b. X- represents frog
Y- represents butterfly
- c. both a. and b.
- d. none of these

17. Match the column I with column II and select the correct option.

Column - I	Column - II
A. Flight feathers	I. Keep body warm
B. Down feathers	II. Give shape to bird's body
C. Body feathers	III. Flying and balancing

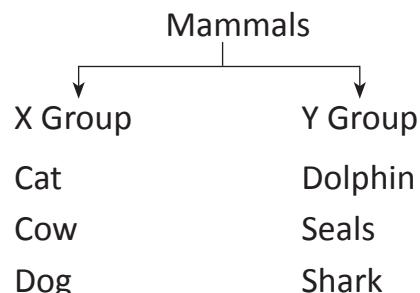
- a. A- III, B- I, C- II
- b. A- I, B- II, C- III
- c. A- II, B- I, C- III
- d. A- I, B- III, C-II

18. Which of the following statements is correct about animal shown below?

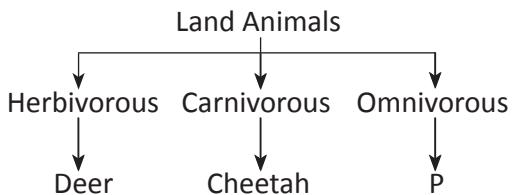


- a. It lives both in water and on land.
- b. It is covered with fur.
- c. It has a tail to move in water.
- d. It has two antennae to sense.

19. Give a suitable heading for X and Y groups:-



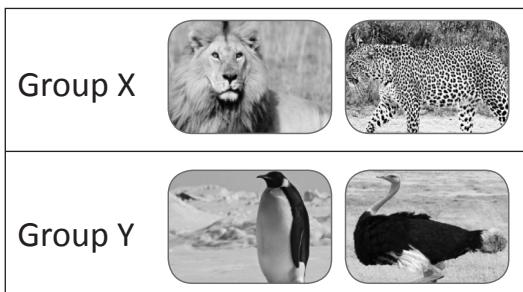
- a. X- Mammals, Y- Fish
 - b. X- Land animals, Y- Water animals
 - c. X- Mammals living on land
Y- Mammals living in water
 - d. Both b. and c.
20. Study the given flow chart. Select the correct option to identify 'P'.



- a. Zebra
- b. Giraffe
- c. Bear
- d. Both a. and c.

SECTION - C : BRAINBOX

21. Study the two groups X and Y of animals shown below:-

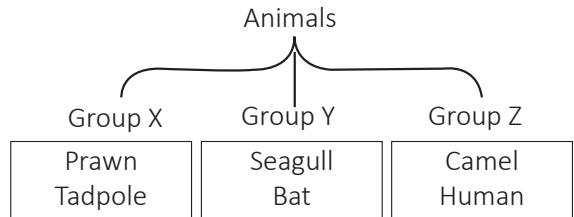


- a. Group X- Carnivorous animal
Group Y- Flightless bird
- b. Group X- Herbivorous animal
Group Y- Desert birds
- c. Group X- Animal living in forest
Group Y- Animal living on tree
- d. None of these

22. I am a very slow moving reptile.
I have a very hard shell. I live both in sea and land.
Which of the following scrambled letters make my name?

- a. NASIL
- b. BRAC
- c. RETULT
- d. LOBSTER

23. The animals in the given classification chart are grouped according to _____ .



- a. where they live
- b. their body covering
- c. what they eat
- d. the way they move

24. Choose the incorrect match.

- a.  Helps the birds to catch and hold its prey
- b.  Helps the birds in swimming
- c.  Helps the birds to tear and eat meat
- d.  Helps the birds to make holes in tree trunk

25. Refer to the grid below. Look for the names of three animals hidden in it.
Select the correct group they belong to.

O	X	M	X	O
B	R	A	R	U
T	F	N	A	V
S	M	J	T	X

- a. Omnivores
- b. Herbivores
- c. Mammals
- d. Both a. and c.

Darken your choice with HB pencil

1. a b c d
2. a b c d
3. a b c d
4. a b c d
5. a b c d
6. a b c d
7. a b c d

8. a b c d
9. a b c d
10. a b c d
11. a b c d
12. a b c d
13. a b c d
14. a b c d

15. a b c d
16. a b c d
17. a b c d
18. a b c d
19. a b c d
20. a b c d
21. a b c d

22. a b c d
23. a b c d
24. a b c d
25. a b c d



Our body is made up of different organs and organ systems that have different functions.

Digestive system:

It helps in digesting food. It consists of -

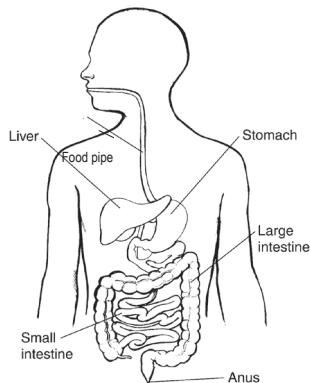
Mouth: Food begins its journey from here. Chewing and breaking down of food is done here.

Food pipe: Food passes down through it.

Stomach: Food gets mixed with digestive juices.

Intestines: Digest (small intestine only) and absorb food.

Anus: Undigested food is thrown out of it.



Skeletal system: It gives shape to the body, helps in movement and protects the soft organs.

The framework of bones joined together is called skeleton.

It consists of 206 bones (in adults).

Reproductive system: It helps in producing young ones. Men and women have different reproductive systems.

Muscular System : It covers the skeleton. When muscles move, they move the bones. Both muscles and bones are involved in moving our body.

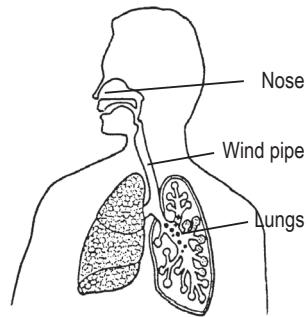
Respiratory system: It helps us to breathe air.

It consists of -

Nose: We take in air through it.

Windpipe: It provides air flow to and from the lungs.

Lungs: They expand in size when air enters and absorb oxygen from the air and give out carbon dioxide.



Circulatory system: It transports blood from heart to various parts of the body.

The heart, the blood and the blood vessels make up our circulatory system.

Nervous system: The brain, the spinal cord and the nerves make up our nervous system. Our brain controls all the body parts through the nerves.

Excretory system: It removes the waste from the body. Kidney, lungs and skin form the excretory system.

SECTION - A : SCIENTIFIC REASONING

1. Choose the odd one out.

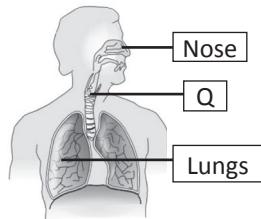
- a. Plants, roots, shoots, fruits
- b. Heart, liver, kidney, chlorophyll
- c. Circulatory system, digestive system, reproductive system, nervous system
- d. Brain, spinal cord, nerves, nervous system

2. Which of the following systems helps in producing young ones?

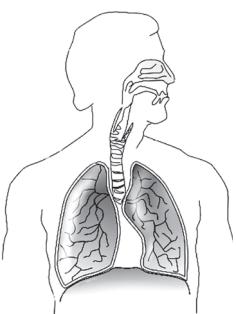
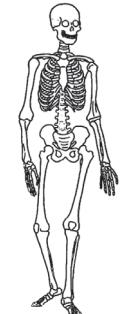
- a. Circulatory system
- b. Digestive system
- c. Reproductive system
- d. Excretory system

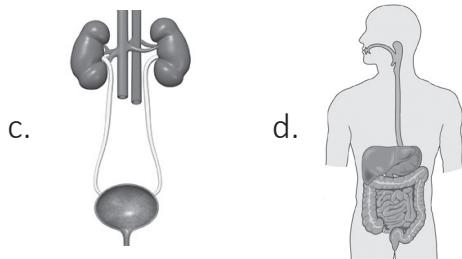
3. Look at the given figure and identify the part Q.

- a. Heart
- b. Liver
- c. Kidney
- d. Windpipe



4. Which of the following picture represents the body system that helps in breathing?

- a. 
- b. 



5. Which of the following statements is correct?

- a. The body systems work together to keep a human body active.
- b. Heart, lungs, and bones form muscular system.
- c. Brain, nerves and spinal cord forms circulatory system.
- d. Nose, windpipe and lungs form digestive system.

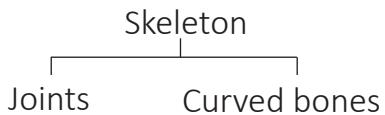
6. Identify the organ that controls all parts of the body.

- a. Brain
- b. Heart
- c. Lungs
- d. Eyes

7. Aryan is having his breakfast. Name the body system that has started working in Aryan's body.

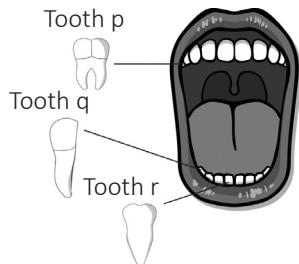
- a. Digestive System
- b. Respiratory System
- c. Circulatory System
- d. Excretory System

8. The table shows the classification of bones in a human body. Which of the following options can be grouped under joints?



- a. Ribs
 - b. Knee cap and elbow
 - c. Upper leg bone and lower leg bone
 - d. Upper arm bone and lower bone
9. Choose the odd one out.
- a. Brain
 - b. Nerves
 - c. Lungs
 - d. Spinal cord
10. Which organ transports blood from different parts of the body to the heart and vice versa?
- a. Respiratory system
 - b. Circulatory system
 - c. Reproductive system
 - d. Nervous system
11. Which of the following statements is incorrect?
- a. Excretory system removes the wastes from the body.
 - b. Eyes, nose, ears, tongue and lungs are our five sense organs.
 - c. Heart, blood and blood vessels make our circulatory system.
 - d. Our lungs expand in size when air enters them.
12. Ruhi switched off the air-conditioner as she was feeling cold. She used her sense of _____.
- a. smell
 - b. taste
 - c. sight
 - d. touch

13. Look at the labelled picture of a jaw. Which of the following statements is incorrect about it?



- a. Tooth p is used for cutting.
- b. Tooth q is used for tearing.
- c. Tooth r is used for chewing.
- d. Both a. and c.

14. Study the following list of actions.

- A. Enjoying music over the music system
- B. Reading novel
- C. Watching nature's beauty
- D. Answering the telephone when it rings

Which of the above you actions would you be not able to do if you are in a noisy place?

- a. A and D
- b. A and B
- c. B and C
- d. A, B and D

15. What happens when we touch a hot cup of tea?

- a. Skin → Nerves → Hand is pulled back
- b. Skin → Brain → Nerves → Hand is pulled back
- c. Skin → Nerves → Spinal cord → Hand is pulled back
- d. Skin → Nerves → Brain → Spinal cord → Hand is pulled back

SECTION - B : EVERYDAY SCIENCE

16. Joei conducted an activity. She blew hard on the mirror surface and observed that the mirror became misty and tiny water droplets were formed on it. What can she conclude from this activity?



- a. Oxygen is released when we exhale.
- b. Carbon dioxide is released when we exhale.
- c. Water vapour is released when we exhale.
- d. All of these

17. Chhavi is solving a puzzle at her study table. Her younger sister is also sleeping in the same room. Her sister wakes up and starts crying. Identify the senses that will help Chhavi to know that her sister is crying.

- a. Sense of smell and touch
- b. Sense of hearing and sight
- c. Sense of sight and smell
- d. Sense of touch and hearing

18. Meghan went to a doctor for a check-up of her internal body parts.

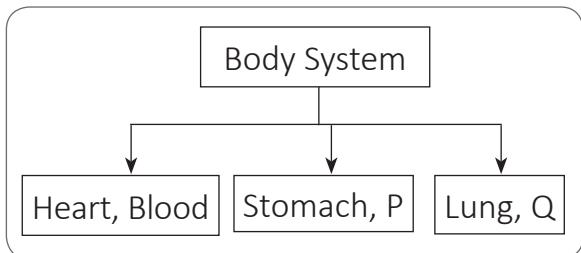
Doctor said she has an infection in her lungs. Which system of her body is not healthy as per the doctor?

- a. Nervous system
- b. Respiratory system
- c. Digestive system
- d. Excretory system

19. Sahil uses dumb-bells to exercise. Which of these body systems are involved in bending and straightening of the arm while doing exercise with dumb-bells?

- a. Digestive and nervous system
- b. Skeletal and reproductive system
- c. Skeletal and muscular system
- d. Respiratory and muscular system

20. Look at the following flow chart. Which of the following can 'P' and 'Q' be?



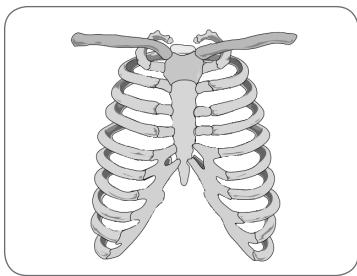
- a. P- nose, Q- mouth
- b. P- blood vessels, Q- wind pipe
- c. P- food pipe, Q- nose
- d. P- kidney, Q- wind pipe

SECTION - C : BRAINBOX

21. Organs of digestive system are given in the box. Identify the organs in which digestive juices are produced and mixed with the food that we intake.

Mouth
Stomach
Small Intestine
Large Intestine

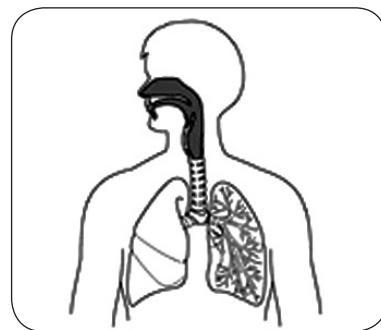
- a. Mouth and stomach
b. Mouth, stomach and small intestine
c. Stomach and small intestine
d. Small intestine and large intestine
22. Name the organ which is completely protected inside the structure shown below.



- a. Brain and stomach
b. Stomach and liver
c. Lungs and heart
d. Brain and heart
23. Match Column I with Column II and choose the correct option for it.

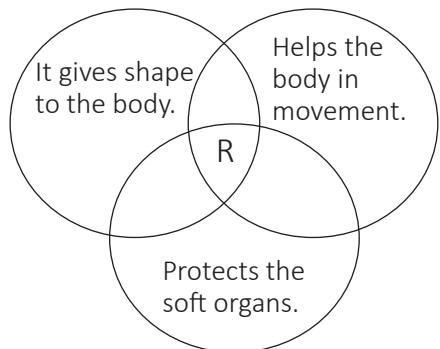
Column I	Column II
A. Excretory System	I. Mouth
B. Digestive System	II. Skin
C. Sense Organ	III. Brain
D. Skeletal System	IV. Kidney
E. Nervous System	V. Bones

- a. A- I, B- II, C- IV, D- V, E- III
b. A- IV, B- I, C- II, D- V, E- III
c. A- II, B- I, C- III, D- IV, E- IV
d. A- III, B- II, C- IV, D- I, E- V
24. Observe the figure shown below and choose the incorrect statement.



- a. This is respiratory system.
b. In this system air enters through mouth/nose.
c. In this system lungs helps in breathing.
d. In this system blood carries wastes away from all parts of the body.

25. Study the given diagram. Identify 'R'.



- a. Excretory system
- b. Respiratory system
- c. Skeletal system
- d. Reproductive system

Darken your choice with HB pencil —————

1. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	8. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	15. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	22. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
2. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	9. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	16. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	23. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
3. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	10. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	17. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	24. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
4. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	11. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	18. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	25. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	
6. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	13. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	20. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	
7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	

Earth and The Universe



Our Earth is spherical in shape. Our Earth is moving all the time. We cannot feel the movement because the Earth moves very smoothly and slowly.



Rotation

- It is the spinning movement of the Earth about its axis.
- The Earth takes about 24 hours to rotate once.
- The rotation of Earth causes day and night.



Mercury is the smallest planet. Jupiter is the largest planet and Saturn is the lightest planet.

Revolution

- It is the movement of the Earth around the Sun in a fixed path called orbit.
- The Earth takes about 365 days to revolve once around the Sun.
- Revolution of the Earth causes change in seasons.

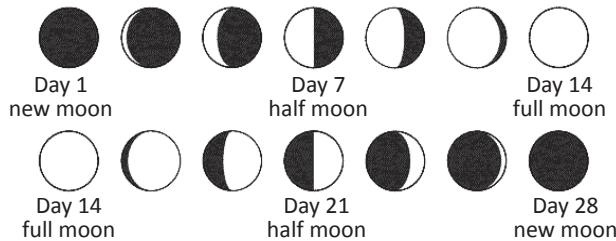


There are eight planets in our Solar system.

The planets are round objects that move around the Sun in fixed orbits.

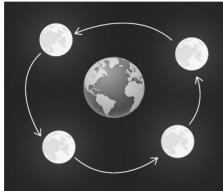
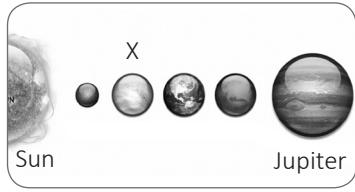
The Moon is the Earth's satellite and it moves around the Earth. The shape of the Moon appears to change every night.

Phases of the Moon



Man went to the Moon for the first time in a spacecraft named Apollo 11 in 1969. The first man who stepped on the surface of the Moon was Neil Armstrong. Edwin Aldrin and Michael Collins also travelled in the Apollo spacecraft with Neil Armstrong.

SECTION - A : SCIENTIFIC REASONING

1. Arrange the planets as per their distance from the Sun.
- Earth, Mercury, Jupiter, Uranus
 - Mercury, Earth, Jupiter, Uranus
 - Earth, Mercury, Uranus, Jupiter
 - Uranus, Jupiter, Earth, Mercury
2. When we see less than half of the moon, it is called _____ Moon.
- gibbous
 - crescent
 - full
 - new
3. _____ is the farthest planet from the Sun in the Solar System.
- Uranus
 - Neptune
 - Mercury
 - Earth
4. The planets with more than one moon as their natural satellite.
- Mars
 - Jupiter
 - Saturn
 - a, b and c
5. Name two persons who travelled in the Apollo 11 with Neil Armstrong.
- Edwin Aldrin and Michael Collins
 - Robert White and William Joseph
 - Edwin Aldrin and William Dana
 - None of them
6. The figure shown represents _____.
- 
- 7.
- | Planets | | |
|---------------------------------|--------------------------|---------------------------|
| Smallest
Planet
(Mercury) | Largest
Planet
(Y) | Lightest
Planet
(X) |
- What will be X and Y in the above table?
- Y- Saturn, X- Jupiter
 - Y-Jupiter, X- Saturn
 - Y- Earth, X- Earth
 - Y- Neptune, X-Saturn
8. The planet X shown in the given figure is _____.
- 
- Mars
 - Earth
 - Venus
 - Mercury
9. Which of the following statements is incorrect about the Sun?
- It provides heat to living organisms to survive on Earth.
 - It revolves around the Earth.
 - It is the main source of light energy.
 - It is a star.

10. We are eight in number in solar system. We are round in shape and move around the Sun in our fixed orbits. We are called _____.

- a. rotation
- b. planets
- c. galaxy
- d. satellite

11. Select the incorrect statement regarding rotation of the Earth.

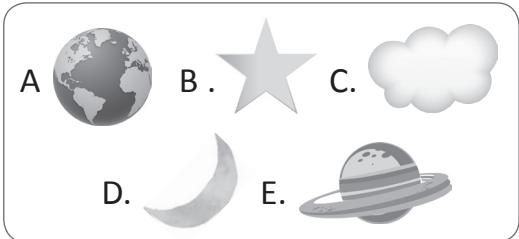
- a. The Earth rotates from west to east.
- b. The Earth completes one rotation in 24 hours.
- c. Rotation of Earth causes change in seasons.
- d. Rotation of Earth causes day and night.

12. _____ is a planet at Y in the given sequence.

Mercury, Earth, Y , Uranus

- a. Mars
- b. Neptune
- c. Jupiter
- d. Saturn

13. Which of the following revolve around the Sun?



- a. A and B
- b. A, B and E
- c. A and E
- d. A, B, C and D

14. Which of the following is an ancient astronomer, who was also a famous mathematician?

- a. Aryabhata
- b. APJ Abdul Kalam
- c. Charak
- d. All the above

15. What do we call the imaginary line on which the Earth spins around, running from the North pole to the South Pole?

- a. Orbit
- b. Axis
- c. Line
- d. Circular line

SECTION - B : EVERYDAY SCIENCE

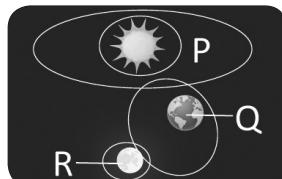
16. It revolves around the Sun. It is the brightest and hottest planet of the solar system. It is also known as the _____.

- a. blue planet
- b. red planet
- c. north star
- d. evening star

17. What would happen, if the Sun did not set?

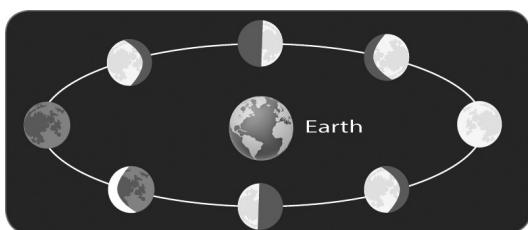
- a. Boiling hot atmosphere
- b. Freezing cold atmosphere
- c. Raining
- d. Lightning and thunderstorms

18. Look at the given picture and identify P, Q and R.



- a. P- Sun, Q- Earth, R- Moon
- b. P- Moon, Q- Earth, R- Sun
- c. P- Earth, Q- Moon, R- Sun
- d. P- Sun, R- Moon, Q- Earth

19. Which phase of the moon is shown by 'X' in the given figure?



- a. full
- b. crescent
- c. gibbous
- d. new

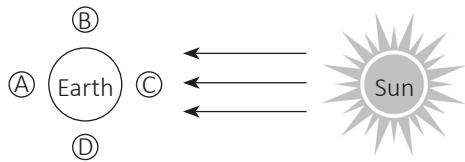
20. Match the columns. Choose the suitable pair of meaning from the columns.

Column A	Column B
1. New moon	P. More than half of the lit portion of the moon is seen
2. Full moon	Q. Complete moon is seen
3. Waning Gibbous moon	R. Moon cannot be seen

- a. 1- Q, 2- R, 3- P
- b. 1 – R, 2- Q, 3- P
- c. 1- P, 2- Q, 3- R
- d. None of these

SECTION - C : BRAINBOX

21. The Sun, the Earth and the Moon are part of our Solar System. At which of the four positions (A, B, C, D) shown in the figure, would the Moon be during an eclipse of the Sun?



- a. A
- b. C
- c. B
- d. D

22. I am also known as the morning star. Which of the following scrambled letters make my name?

- a. A R M S
- b. A H E T R
- c. N E V S U
- d. S U R A T N

23. What is correct about the Yuri Gagarin?

- a. He was a Soviet Pilot.
- b. He was the first person to reach space.
- c. Both a. and b.
- d. He was first man to reach Moon.

24. Identify two dwarf planets from the given alphabetical matrix.

H	N	O	K	H	F	U	O
E	L	P	L	U	T	O	T
N	C	V	N	M	A	R	S
K	A	N	G	S	I	R	E

- a. Mercury and Pluto
- b. Pluto and Mars
- c. Pluto and Eris
- d. Mars and Mercury

25. Fill in the blanks using the words given in the box and select the correct option.

orbit, seasons, revolves, 365

Earth _____ around the Sun in a fixed path called _____. It takes _____ days to complete one revolution . This revolution of the Earth causes changes in _____.

- a. 365, orbit, seasons, revolves
- b. revolves, orbit, 365, seasons
- c. 365, revolves, seasons, orbit
- d. seasons, 365, orbit, revolves

Darken your choice with HB pencil

- | | | | |
|--|---|---|---|
| 1. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 8. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 15. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 22. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 2. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 9. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 16. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 23. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 3. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 10. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 17. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 24. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 4. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 11. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 18. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 25. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 6. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 13. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 20. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |

Matter and Material



- Matter is anything that has mass and occupies space.
All living and non-living things are made up of matter.
- The mass of a body is the amount of matter in the body.
Mass is measured in gram(g) or kilogram (kg).
- The amount of space that a body occupies is called its volume.
The volume can be measured in cubic centimeters (cm^3) or cubic metres (m^3) and millilitres (ml) or litres (l).

Matter can be classified into three groups : Solid, Liquid and Gas



States of matter ↓	Properties		
	Definite shape	Definite volume	Can be compressed
Solid	Yes	Yes	No
Liquid	No	Yes	No
Gas	No	No	Yes

- Matter can be changed from one state to another by heating or cooling.
- The substance from which an object is made of is called material.
- Each material has its own property.



Material	Properties	Objects
Glass	Hard, Waterproof, Transparent	Aquarium, Window pane
Plastic	Light, Waterproof, Strong, Durable	Raincoat, Plastic Bags
Wood	Light, Strong, Poor conductor of heat	Door, Handle of pots, Furniture
Metal	Hard, Strong, Durable, Good Conductor of heat	Iron nail, Pot, Kettle
Paper	Light, Flexible	Kite, Paper envelope
Rubber	Flexible, Waterproof	Toys, Tyres

SECTION - A : SCIENTIFIC REASONING

1. Which of the following objects is made up of only one material?



- a. A and B
c. B and D

- b. C and D
d. None of these

2. Which of the following are not man-made materials?

- a. Marble tile and granite slab
b. Leather shoes and plastic slippers
c. Wooden clogs and plastic pegs
d. Aluminium window panes and glass doors

3. Identify the material that is transparent.

- a. Glass b. Wood
c. Paper d. Rubber

4. Jiya wants to make a kite. Which material should she use to make a kite?

- a. Wood b. Metal
c. Paper d. Rubber

5. Observe the given pictures and answer the following question:-



What will you do to change the state of water from picture A to picture B?

- a. Heating of water
b. Cooling of water
c. First heat then cool the water
d. None of them

6. Which of the following bags (X or Y) will you use to carry heavy books?

X



Y



- a. X b. Y
c. Both X and Y d. None of these

7. The material used to make slides has an important property. This property enables children to slide down easily. Which of the following is this property?



- a. It gets hot easily.
b. It has a smooth surface.
c. It is waterproof.
d. It does not rust.



Which of the following sentences is true about the given figures?

- a. Milk changes into solid on heating.
 - b. Milk changes into gaseous state on heating.
 - c. Milk changes into liquid on heating.
 - d. None of these
9. What is the similarity between the things given below?

A. Aquarium B. Window pane

- a. Both are made of flexible material.
 - b. Both are transparent.
 - c. Both are made of glass.
 - d. Both b. and c.
10. Select the odd one out.

- a. Kite b. Newspaper
- c. Pen d. Letter or envelope

11. Six objects are classified into two groups as shown below.

Group Y Group Z



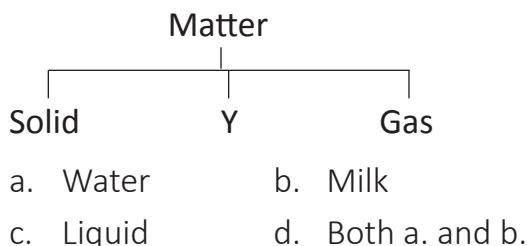
Choose the suitable title for each column.

- a. Y- Transparent, Z- Translucent
- b. Y- Plant Product, Z- Man-made Products
- c. Y- Natural, Z- Artificial
- d. None of these

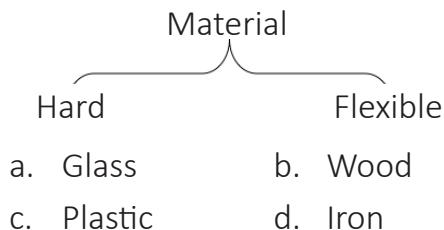
12. Which of the following processes converts water into ice?

- a. Precipitation b. Condensation
- c. Melting d. Freezing

13. Study the following chart and identify Y.



14. Study the given classification chart, choose the right object given in the options that can be placed under both groups.

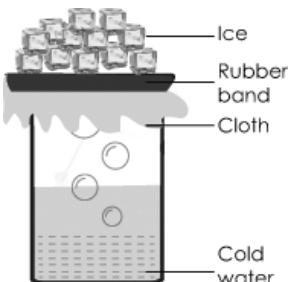


15. Which of the following objects are in liquid state?

- a. Ink and Juice
- b. Wheat and Rice
- c. Book and Tea
- d. Ink and Pen

SECTION - B : EVERYDAY SCIENCE

16. Uma has put some ice cube on an empty jar as shown in the picture. After some time she observes water inside the jar. The water is because of:



- a. condensation of water particles
- b. melting of ice
- c. evaporation
- d. both a. and b.

17. Pole vaulting is done using bamboo pole. Why steel or any other material is not used in place of bamboo poles?

- a. Steel poles are expensive as compared to the bamboo poles.
- b. Steel poles are inflexible while bamboo poles are flexible.
- c. Both a. and b.
- d. None of these

18. Which of the following is not an ingredient of ice cream?

- a. Water
- b. Milk
- c. Juice
- d. Tea

19. The dress of the girl shown in the picture is made up of which material?

- a. Paper
- b. Metal
- c. Glass
- d. Plastic fibre



20. Which of the following statements is incorrect?

- a. Solids have definite shape.
- b. Liquids cannot be compressed at all.
- c. Gas can be compressed easily.
- d. Both a. and c.

SECTION - C : BRAINBOX

21. Match the columns I and II and choose the correct option.

Column - I	Column - II
A. It takes the shape of its container.	1. Solid
B. Water changes into this on boiling.	2. Liquid
C. Its shape does not change.	3. Gas
D. Liquid on freezing become this.	

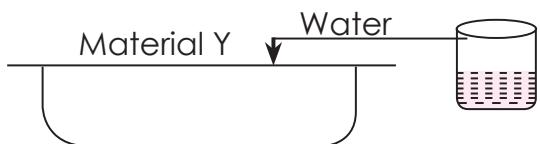
- a. A-2, B-3, C-1, D-1
- b. A-3, B-2, C-1, D-1
- c. A-1, B-1, C-2, D-2
- d. A-3, B-1, C-1, A-2

22. The objects shown in the pictures are:



- I. Soft
 - II. Not waterproof
 - III. Non-flexible
 - IV. Made up of wood
- a. I only
 - b. II only
 - c. II and IV
 - d. I and II

23. To check, if material Y would allow water to pass through, Riya put the material Y over a container and poured some water onto it.



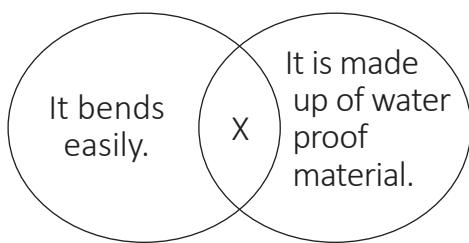
No water was collected in the container. What material could Y be?

- a. Paper
- b. Cardboard
- c. Cloth
- d. Glass

24. On heating P changes into liquid. What is P?

- a. Gas
- b. Solid
- c. Water
- d. None of these

25. Refer to the given diagram. Identify 'X'.



- a. Grass
- b. Paper
- c. Rubber band
- d. Both a. and b.

Darken your choice with HB pencil -

1. a b c d
2. a b c d
3. a b c d
4. a b c d
5. a b c d
6. a b c d
7. a b c d

8. a b c d
9. a b c d
10. a b c d
11. a b c d
12. a b c d
13. a b c d
14. a b c d

15. a b c d
16. a b c d
17. a b c d
18. a b c d
19. a b c d
20. a b c d
21. a b c d

22. a b c d
23. a b c d
24. a b c d
25. a b c d

Light, Sound and Force

Light

- Light is a form of energy. It enables us to see.
- Sources of light give off light of their own.
- Many objects around us are not sources of light but they reflect the light falling on them.
- **Transparent material:** Allows light to pass through
- **Opaque material:** Does not allow light to pass through
- **Translucent material:** Allows some light to pass through
- A shadow is a dark area where little or no light reaches. Anything that blocks light casts a shadow.
- A shadow is always formed on the opposite side of the source of light.
- The shape and size of the shadow changes according to the position of the light source.

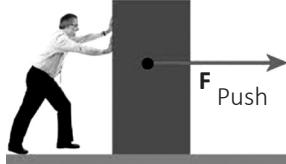
Sound

- Sound can be heard all around us.
- Sound can be soft, loud, pleasant and unpleasant.
- Unpleasant sounds are called noise.
- Sound can travel through solids, liquids and gases. It cannot travel through vacuum.
- An echo is produced when sound is reflected or bounced back.
- Echoes can be used to find the depth of the sea.
- Light travels faster than sound. That is why you see lightning before you hear thunder.

Force

- A force is a push or a pull.
- A force can :
 - a) make a stationary object move.
 - b) change the speed of a moving object.
 - c) stop a moving object.
 - d) change the direction of a moving object.
 - e) change the shape of an object.
- When two surfaces rub against each other, friction is produced.
- Friction is a force that opposes motion.
- Gravity is a force that pulls everything down towards the Earth.

SECTION - A : SCIENTIFIC REASONING

1. Select the odd one out
 - a. Candle
 - b. Torch
 - c. Sun
 - d. Moon
2. Sound cannot travel through _____.
 - a. liquid
 - b. vacuum
 - c. gas
 - d. solid
3. Why can we see the objects around us?
 - a. They reflect light that falls on them.
 - b. The things give off light to the air.
 - c. The objects send light away from our eyes.
 - d. None of these
4. Kittu is pushing a box as shown in the figure.
On which surface is it easier to move the box?
 - a. Rough surface
 - b. Wet surface
 - c. Dry surface
 - d. Hot surface
5. Which organs help us to see?
 - a. Eyes and nose
 - b. Eyes and brain
 - c. Eyes and ears
 - d. Eyes and skin
6. When two surfaces rub against each other _____ is produced.
 - a. gravity
 - b. light
 - c. friction
 - d. sound
7. What does the instrument shown in the picture produces?
 - a. Soft sound
 - b. Pleasant sound
 - c. Noise
 - d. All of these
8. A shadow is always formed on the _____ side of the source of light.
 - a. opposite
 - b. back
 - c. left
 - d. right
9. Which of the following heavenly bodies has its own light?
 - a. Sun
 - b. Stars
 - c. Moon
 - d. Both a. and b.
10. Which of the following statements is correct about force?
 - a. It can change the shape of an object.
 - b. It can stop a moving object.
 - c. It can change the direction of a moving object.
 - d. All of these

11. In which of the following conditions, you will not hear any sound?

 - A ringing mobile inside a jar with no air in it.
 - An aeroplane taking off.
 - A striking bell in an open area.
 - All of these

12. Which of the following statements is incorrect?

 - Light can easily pass through transparent material.
 - Ceramic cup is opaque.
 - Wood is transparent.
 - Frosted glass is a translucent material.

13. What is the similarity between the objects shown in the pictures?


Electric bulb
Thermometer

a. They are breakable.
b. They are transparent.
c. Both a. and b.
d. None of these

14. The given picture is of a _____.

 - shadow
 - light
 - black light
 - All of these

15. Ayush picked up a ball to certain height and dropped it. He observed that the ball dropped on the ground. This happened because of _____.

 - frictional force
 - gravitational force
 - energy
 - sound

SECTION - B : EVERYDAY SCIENCE

16. In this diagram two boys are using the same amount of force to push the box. What will happen to the box?



a. The box will move to the left.
b. The box will move to the right.
c. The box will move left and then right.
d. The box will not move at all.

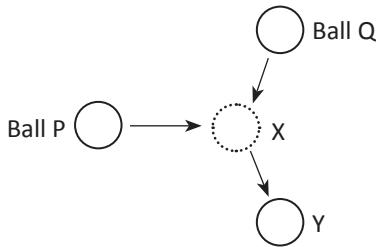
17. The given picture shows a fishing boat which sends out ultrasound waves. These waves are bounced back after few seconds. Choose the correct option regarding this.



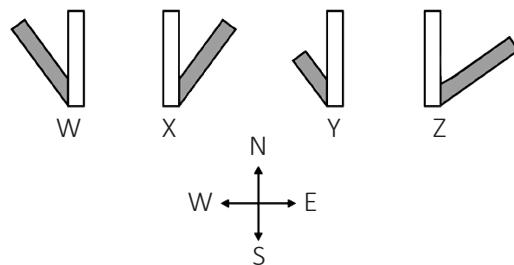
a. The ultrasound waves are used to locate the shoal of fish in water.
b. Sound can travel in water.
c. The ultrasound waves are reflected back from the shoal of fish.
d. All of these

18. Riya and Tina went to a departmental store. Riya carried her groceries in a shopping trolley and Tina hanged the carry bag containing groceries in her hand. Identify the force needed by Riya and Tina here.
- Riya- Friction, Tina- Gravity
 - Riya- Gravity, Tina- Friction
 - Riya- Push, Tina- Pull
 - None of these
19. Why does a person slip on a banana peel?
- It is because banana peel reduces gravity.
- b. It is because banana peel reduces the friction between foot/shoe and the ground.
- c. It is because banana peel increase the friction between foot/shoe and the ground.
- d. All of these
- 20 Deepak made pairs of different materials based on their properties. But one of these pairs is incorrect. Select the incorrect option.
- Glass – light bulb
 - Butter paper – frosted glass
 - Wood – metal
 - Glass – frosted glass

SECTION - C : BRAINBOX

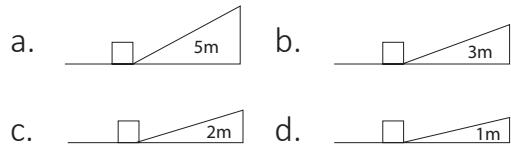
21. Joei throws a ball upwards. It reaches a certain height then falls on the ground. Which of the following statements is correct about the moving ball?
- 
- a. When the ball reaches its maximum height, there is no force acting on it.
- b. When the ball reaches its maximum height, gravity begins to act on it.
- c. Gravity acts on the ball throughout.
- d. The speed of the ball is constant throughout.
22. Celina rolled a ball P in the direction in the figure. Tom rolled ball Q which hit the ball P at position X. The final position of the ball P was at Y. This activity shows that:
- 
- a force makes a stationary object move.
 - a force changes the shape of an objects.
 - a force changes the direction of a moving object.
 - a force stops the motion of an object

23. The given diagram shows the position of the shadows cast by a block at four different times during the day. Which of the following options matches the shadow with the correct time?



	9.30 am	12 noon	2.30 pm	5.30 pm
a.	W	X	Y	Z
b.	W	Y	X	Z
c.	Y	W	Z	X
d.	Z	W	X	Y

24. Four girls rolled a box of the same weight and size, up the ramps of different height as shown below. Who among of the following girls used the most effort?



25. Which of the given options shows the mirror image of the given word?

AMBULANCE

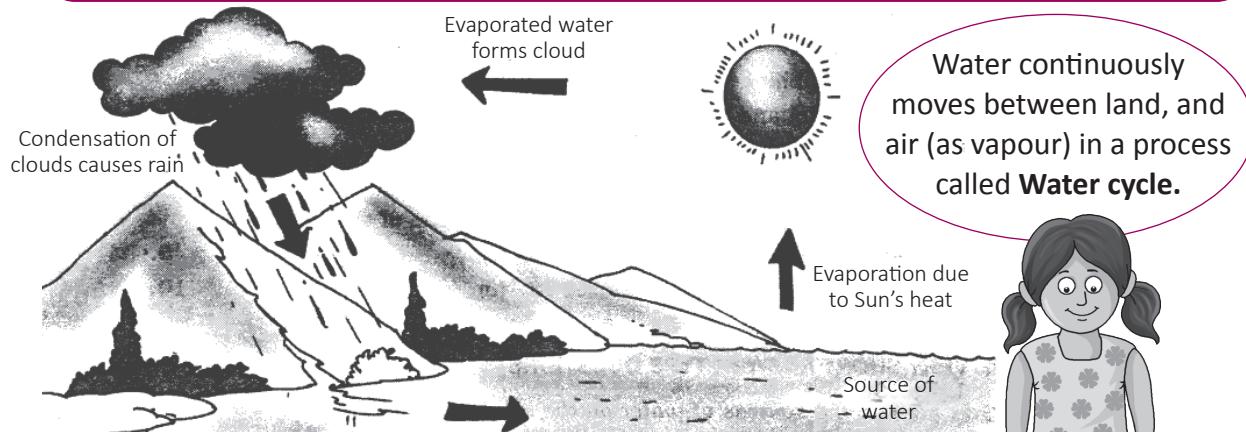
- a. AMBULANCE
- b. ENCLUBLAMA
- c. AMBULANCE
- d. None of these

Darken your choice with HB pencil

- | | | | | | | | | | | | | | | | |
|----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|
| 1. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 8. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 15. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 22. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 2. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 9. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 16. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 23. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 3. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 10. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 17. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 24. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 4. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 11. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 18. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 25. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 5. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 12. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 19. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 6. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 13. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 20. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 7. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 14. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 21. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |

Natural Resources

- Air is all around us. Moving air is called wind. A gentle wind is breeze and a strong wind is storm.
- Air contains gases (like oxygen, carbon dioxide, nitrogen), water vapour, dust, smoke and germs.
- All plants and animals breathe in oxygen and give out carbon dioxide. Plants need carbon dioxide to make food during daytime.



Water exists in three forms: liquid (as in rivers, lakes etc.) gas (as water vapour in air) and solid (as snow on mountains).

- The Earth is made up of rocks. Rocks are made up of one or more minerals. Some rocks are very hard such as granite, some are very soft such as chalk.
- Rocks break into small particles under the effect of sun, water and wind and form soil. Soil contains humus, gravel (large stones), sand (small particles) and clay (very fine particles). Humus makes soil more productive.
- Clayey soil (used to make pots) has large amounts of clay. Sandy soil has lots of sand. Loam is a mixture of sand and clay. Plants grow well in loamy soil.
- Weather is the condition of air surrounding us at a particular place and time. It depends on the Sun. It can be sunny, windy, cloudy or rainy. When any type of weather condition continues for many days, it is called a Season. There are three main seasons: Summer, Winter and Monsoon (Rainy).
- Dust and smoke from cars, buses, factories etc, make the air dirty. Waste from homes, factories etc. when thrown into water makes it dirty. This is called Pollution. Polluted air and water can be harmful for the plants and animals.

SECTION - A : SCIENTIFIC REASONING

1. Identify the natural resource among the following options.
 - a. Forest
 - b. Sun
 - c. Wind
 - d. All of these
 2. _____ is a biotic renewable resource.
 - a. Wind power
 - b. Solar energy
 - c. Tree
 - d. None of these
 3. Natural resources are classified into renewable resource and _____.
 - a. abiotic renewable resource
 - b. non-renewable resource
 - c. biotic renewable resource
 - d. Both a. and c.
 4. Which of the following statements is incorrect?
 - a. Renewable resources are those which can be replaced naturally and can be used repeatedly.
 - b. Air is an abiotic renewable resource.
 - c. Solar energy is a non-renewable resource.
 - d. Biotic renewable resources are derived from living matter.
 5. The given picture represents a/an:

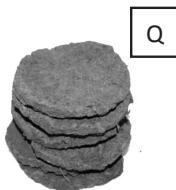
 - a. renewable resource
 - b. abiotic renewable resource
 - c. non-renewable resource
 - d. biotic renewable resource
6. Name the natural resource that causes rain and prevents flood.
 - a. Sun
 - b. Wind
 - c. Forest
 - d. Water
 7. Which of the following is used for generating hydroelectric power?
 - a. Minerals
 - b. Land
 - c. Water
 - d. Wind
 8. Choose the odd combination in the given options.
 - a. Sun, wind, water and handbag
 - b. Fruit, vegetable, wood and medicine
 - c. Coal, petroleum, LPG and natural gas
 - d. All of these
 9. Which of the following statements is correct about the given picture?

 - a. This is used as fuel.
 - b. This is a non-renewable resource.
 - c. We can get this product from a coal mine.
 - d. All of these

10. Abiotic resources are derived from the _____.

- a. living things
- b. non-living things
- c. soil
- d. All of these

11. Observe the pictures given below and answer the following question.



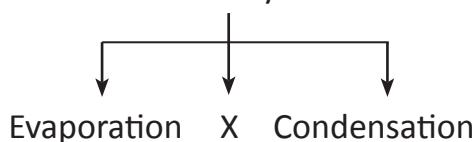
What is the importance of the things shown in the above pictures (P and Q)?

- a. Both are used as fuel.
- b. Both are used for cooking.
- c. Both a. and b.
- d. None of these

12. What turns water on the Earth into water vapour during the water cycle?

- a. Moon
- b. Sun
- c. Global warming
- d. Clouds

13. Water Cycle



What is 'X' the above table?

- a. Water vapour
- b. Precipitation
- c. Ice
- d. Both a. and c.

14. Observe the given figure and answer the following questions.



Which of the following materials are P and Q made up of?

- a. P- metal Q- wood
- b. P- metal Q- glass
- c. P- wood Q- plastic
- d. P- plastic Q- glass

15. Choose the correct match.

Group A	Group B
P. Diamond	I. X-ray technology
Q. Barium	II. Electric cables and wire
R. Copper	III. Pencils
S. Graphite	IV. Jewellery

- a. P- I Q- II R- III S- IV
- b. P- II Q- III R- IV S- I
- c. P- IV Q- I R- II S- III
- d. P- III Q- II R- I S- IV

SECTION - B : EVERYDAY SCIENCE

16. Identify the main material in this wall. What is the property of that material?



- a. It is made of clay.
- b. It has weight.
- c. They make a strong structure when bonded together.
- d. All of them.

17. The picture shows:



- a. renewable resource
- b. non renewable resource
- c. natural resource
- d. biotic non-renewable resource

18. Give suitable heading to the following groups.

Group A	Group B
Soil	Oil
Solar power	Coal
Wind power	Natural gas
Trees	LPG

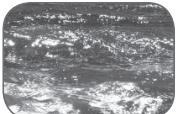
- a. Group A- Renewable resource
Group B- Non-renewable resource
- b. Group A- Non-renewable resource
Group B- Renewable resource
- c. Group A- Natural resource
Group B- Man-made resource
- d. Group A- Biotic resource
Group B- Abiotic resource

19. Which of the following statements is correct about the given picture?



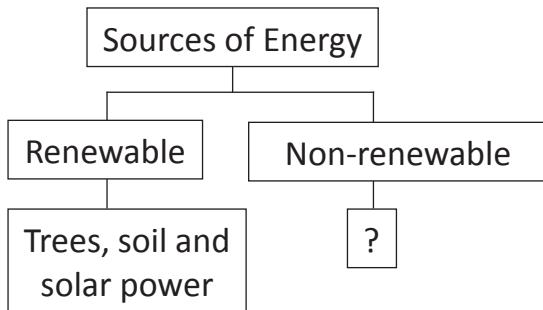
- a. This is non-renewable natural resource.
- b. It promotes flood.
- c. It conserves soil.
- d. It gives carbon dioxide to the atmosphere and causes global warming.

20. During water cycle, where does the water evaporate from? Select the correct option.

- a.  ocean
- b.  pond
- c.  river
- d. all of these

SECTION - C : BRAINBOX

21. Complete the given classification table by choosing appropriate option.



- a. Land, water and coal
 b. LPG, natural gas and coal
 c. Wood, fruit and vegetable
 d. Water, wind energy and tree
22. Unscramble the given letters to name a black coloured, non-renewable fuel. Choose the correct option.

A C O L

- a. Soil b. Coal
 c. Oil d. LPG

- 23 Identify the activities we can do using the energy from the source shown in the picture.

- a. Cook food
- b. Grow plants
- c. Generate electricity
- d. All of these



Solar panel

24. Identify the mineral that adds taste to your food.

- a. Sugar
- b. Salt
- c. Silver
- d. Graphite

25. How many names of the abiotic renewable resources are hidden in the given grid?

- a. 7
- b. 5
- c. 3
- d. 1

X	W	A	T	E	R
S	O	I	L	B	U
T	S	R	M	S	V

Darken your choice with HB pencil

- | | | | | | | | | | | | | | | | |
|----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|
| 1. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 8. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 15. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 22. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 2. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 9. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 16. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 23. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 3. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 10. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 17. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 24. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 4. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 11. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 18. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 25. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 5. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 12. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 19. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 6. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 13. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 20. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 7. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 14. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 21. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |

Chapter 8

Soil

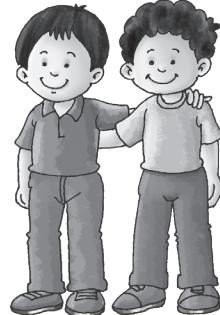
Soil

The earth is made up of rocks. Rocks break into small particles by sun, water and wind and form soil.

Soil contains different layers and components.

Soil contains humus, gravel, sand and clay.

Humus makes soil more fertile and productive.



Types of Soil

Clayey soil- It is used to make pots and toys.

Sandy Soil- It contains less water and it is not suitable for the growth of plants.

Loam- Loam is the mixture of sand and clay. This is the most fertile soil as it is rich in humus.

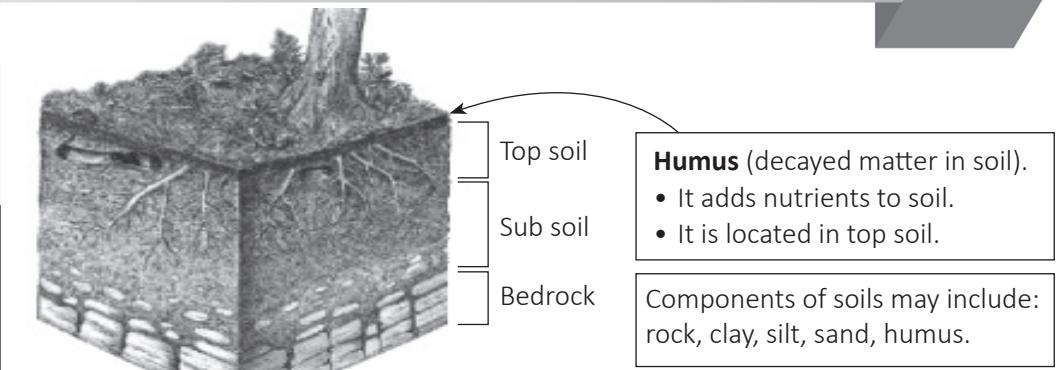
Importance of soil

It promotes growth of plants by providing them with water and minerals to prepare their food. It is on the soil only that different vegetables are grown. We also build our house on soil.

Soil is also home to many small animals like earthworm, beetle etc.

Many valuable minerals like silver, gold, iron etc. are found in soil.

Soil gives us valuable stones like diamond, ruby, etc.



SECTION - A : SCIENTIFIC REASONING

1. "I am formed by the breaking up of rocks. I form the upper surface of the Earth on which plants are grown." Guess my name.
- Clay
 - Soil
 - Both a. and b.
 - None of these
2. Top soil, sub soil and _____ form the three layers of the soil.
- humus
 - bedrock
 - gravel
 - none of these
3. Which of the following is correct about the importance of air in the soil?
- It allows plant roots and soil animals to breathe.
 - It provides minerals to the soil.
 - It binds the soil particles together.
 - None of these
4. Which of the following are responsible for the formation of soil?
- 
 - 
 - 
 - All of these
5. Rama went to visit a beach. She collected some soil from the seashore. What type of soil it would be?
- Sandy soil
 - Clayey soil
 - Loam
 - Humus
6. What type of soil is being used in the picture?
- 
- Sandy soil
 - Clayey soil
 - Loam
 - Humus
7. _____ is a mixture of sand and clay.
- Loam
 - Clay
 - Sand
 - All of these
8. Which of the following is not used in formation of soil?
- 

a. Rocks



b. Vegetation



c. Manure



d. Micro-organism
9. Which of the following statements is correct about manure?
- Manure is poor in humus.
 - It contains mainly cow dung and decaying leaves.
 - Manures make soil fertile.
 - Manures are sandy soil.

10. "I am made up of dead parts of plants and animals. I make the soil rich and fertile." Guess my name.
a. Humus b. Fertilizer
c. Manures d. Soil erosion
11. Select the odd one out.
a. Loam b. Top soil
c. Clayey d. Sandy
12. Who among the following friends is incorrect?
a. Gita – Soil is made up of broken rocks.
b. Sahil – Top soil contains nutrients for the plants.
c. Suresh – Humus makes the soil unproductive.
d. Garima – Sandy soil is not suitable for growth of plants.
13. Identify the organism that lives in the soil. It also makes soil aerated.
a. Snail b. Earthworm
c. Beetle d. All of them
14. Which of the following statements is correct?
I. There is negligible/least space for air between the clay particles in clayey soil.
II. This soil can hold a lot of water.
a. I and II b. I only
c. II only d. None of them
15. Soil is made up of:
I. Stones II. Sand
III. Clay IV. Humus
a. I and II
b. II and III
c. I, II, III and IV
d. None of these

SECTION - B : EVERYDAY SCIENCE

16. Which of the following soils is not suitable for cultivation?
a. Alluvial b. Red
c. Sandy d. Black
17. What happens when a farmer adds manures to the soil?
a. Soil becomes unfertile.
b. The amount of humus in the soil increases.
c. Soil particles become visible.
- d. Soil becomes unfit for living organisms.
18. Tina wants to grow wheat plant in the field. Help her in choosing the correct soil for the proper growth of the wheat plant.
a. Sandy soil and clayey soil
b. Clayey soil and loam
c. Loam, because it is rich in humus
d. Sandy soil, because it is sticky

19. How does an earthworm breathes in the soil?



- a. It breathes in air present in soil.
- b. It does not breathe.
- c. It stores outside air then breathes in the soil.
- d. None of these

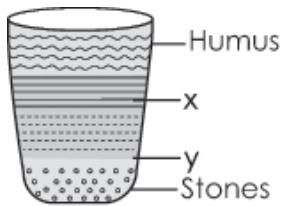
20. Put some soil in a glass jar. Pour water over it. You will see bubbles floating up. What do you think is the reason behind this?



- a. Water is trapped in the soil.
- b. Air is trapped in the soil.
- c. The air trapped in the soil escapes and forms bubbles.
- d. Both b. and c.

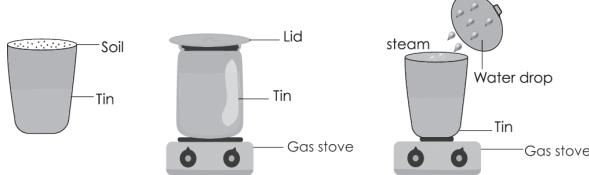
SECTION - C : BRAINBOX

21. The figure given below shows soil sample from a garden. Identify 'X' and 'Y'.



- a. X- Clay Y- Sand
- b. X- Sand Y- Clay
- c. X- Loam Y- Clay
- d. X- Loam Y- Sand

22. Observe the below shown figures and complete the sentence regarding it.



Water drops appear inside the lid. This proves that:

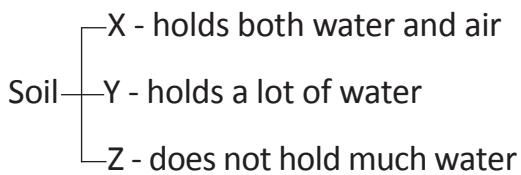
- a. soil has air in it.
- b. soil has moisture in it.
- c. soil does not have air.
- d. soil has pores in it.

23. Match the following and choose the correct option for it.

I	II
i. Making toys	A. Sandy Soil
ii. Making sand home	B. Mixtures of sand and clay
iii. Growing rice crop	C. Clayey soil

- a. i- C ii- B iii- A
- b. i- A ii- B iii- C
- c. i- C ii- A iii- B
- d. i- B ii- A iii- C

24. Complete the given classification table.



- a. X – Clayey, Y – Loam, Z – Sandy
- b. X – Loam, Y – Clayey, Z- Sandy
- c. X – Sandy, Y – Clayey, Z – Loam
- d. X – Loam, Y – Sandy, Z – Clayey

25. Many types of soil have plenty of pores. The importance of the soil pores are:

- I. air enters the soil through the pores.
- II. they hold water.
- III. they provide food to living organisms present in soil.



Which of the above statements is correct?

- a. I only
- b. II only
- c. III only
- d. I and II

Darken your choice with HB pencil

- 1. a b c d
- 2. a b c d
- 3. a b c d
- 4. a b c d
- 5. a b c d
- 6. a b c d
- 7. a b c d

- 8. a b c d
- 9. a b c d
- 10. a b c d
- 11. a b c d
- 12. a b c d
- 13. a b c d
- 14. a b c d

- 15. a b c d
- 16. a b c d
- 17. a b c d
- 18. a b c d
- 19. a b c d
- 20. a b c d
- 21. a b c d

- 22. a b c d
- 23. a b c d
- 24. a b c d
- 25. a b c d

Logical Reasoning

1. I am a two-digit number. I have number five in the tens place. You say me when you count by tens.
What number am I?

a. 25 b. 50
c. 75 d. 150
2. I am an even, two-digit number. I have a four in the tens place. I am greater than 47.
What number am I?

a. 46 b. 49
c. 48 d. 54
3. Look at this series:
7, 10, 8, 11, 9, 12, ...
What number should come next?

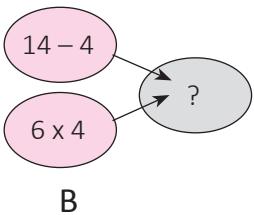
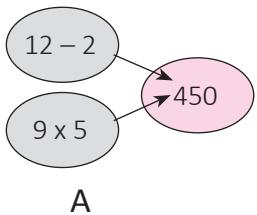
a. 7 b. 10
c. 12 d. 13
4. Janat has 15 stickers. She wants to paste all of them on the cover of her scrapbook. In which way can she paste these stickers on the cover?

a. 3 rows of 5 stickers
b. 3 rows of 6 stickers
c. 5 rows of 2 stickers
d. None of these
5. Which number should be placed in both the boxes to complete the number sentences?

6. $6 \times \square = 30$ and $30 \div \square = 6$
a. 7 b. 5
c. 6 d. 3
6. Anil had 13 chocolates. He distributed them equally among three of his friends and he kept the remaining chocolates for himself. Anil used $13 \div 3 = 4 + R$.
What does the R stand for?

a. Number of chocolates Anil had after distributing the chocolates to his friends.
b. Number of chocolates which were given to each of his friends.
c. Total number of chocolates which Anil gave to his friends.
d. None of these
7. A poultry farm produces 1236, 2361, 1362 and 6321 eggs in four days. Which of the following lists shows the number of eggs produced in increasing order?

a. 1236, 1362, 2361, 6321
b. 1362, 1236, 6321, 2361
c. 2361, 6321, 1362, 1236
d. 6321, 2361, 1362, 1236
8. Study figure A carefully, use the same rule to solve figure B.



Which of the following numbers should replace the question mark?

- a. 190 b. 260
c. 240 d. 360

9. Each pencil box has the same number of pencils. Find the missing number that replaces the question mark.

Number of pencil boxes	5	6	7	8	9
Number of pencils in box	60	72	?	96	108

- a. 84 b. 81
c. 69 d. 72

10. What is the missing number?

3, 5, 9, 15, 23, 33, 45, ?

- a. 59 b. 58
c. 62 d. 61

11. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P?

- a. P b. R
c. A d. X

12. Select a figure from the options, which fits exactly into given fig. (X) to make a complete square.

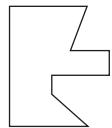
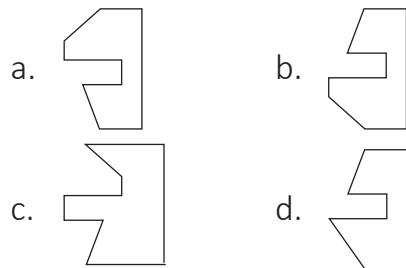
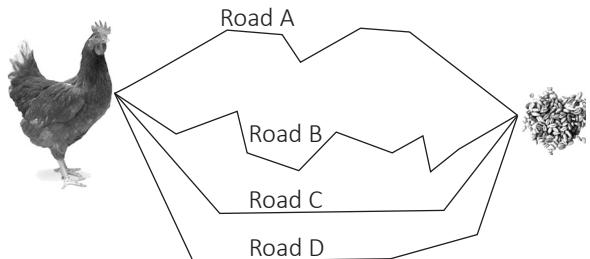


Fig. (X)

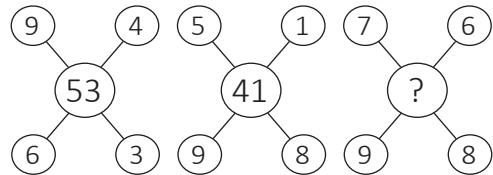


13. A hen has to reach the grains. She is looking for the shortest road. Can you tell her which route is the shortest?



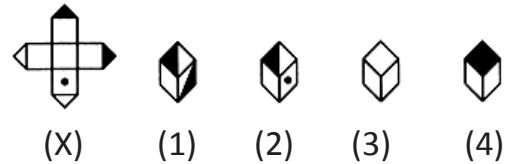
- a. Road A b. Road B
c. Road C d. Road D

14. Find the missing number.



- a. 11 b. 26
c. 32 d. 48

15. Which of the following boxes will be formed from the given sheet of paper (X).



- a. 1 and 2 only b. 2 and 4 only
c. 2 and 3 only d. 1 and 4 only

16. Pointing to a photograph. Anant said, "He is the son of the only daughter of the father of my brother." How Anant is related to the man in the photograph?
- a. Nephew
 - b. Brother
 - c. Father
 - d. Maternal Uncle

17. Choose the figure which is different from the rest?



- (1) (2) (3) (4) (5)
- a. 1 b. 2
- c. 3 d. 4

Direction for Q18 and Q22:
Complete the sequence.

18. First : Last :: Amused : ?

- a. Jolted
- b. Frightened
- c. Bored
- d. Astonished

19. Large : Small :: Fresh : ?

- a. Faulty
- b. Sluggish
- c. Disgraceful
- d. Stale

20. Sick : Unwell :: Ponder : ?

- a. Increase b. Anticipate
- c. Evaluate d. Think

21. End : Finish :: Fatal : ?

- a. Deadly
- b. Serious
- c. Dangerous
- d. Grievous

22. Man : Biography :: Nation : ?

- a. History
- b. Geography
- c. People
- d. Leader

23. Which of the following words the letter can be rearranged to form the word ELEPHANTS?

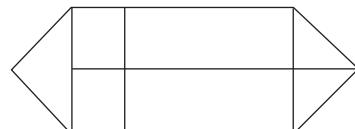
- a. PHMALTSNS
- b. EEPHMTSLN
- c. AELEOHATS
- d. TSPHAELNE

24. Choose the missing term from the given options.

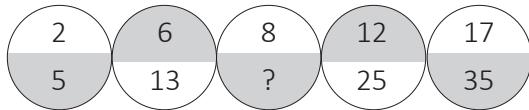
A, E, I, M, ?, U

- a. O b. P
- c. Q d. H

25. How many rectangles are there in the given figure?



- a. 10 b. 9
- c. 8 d. 7

26. How many one sixths will make one whole?
- 7
 - 8
 - 4
 - 6
27. Ram brings 12 biscuits to class one day. On the same day, Suleka brings 11 biscuits and Ajay brings 6 biscuits. How many biscuits did they bring to class in all?
- 30
 - 29
 - 28
 - 23
28. What is the missing number in the given series below?
- 
- 17
 - 27
 - 35
 - 41
29. Arrange the words given below in a meaningful sequence.
- Family
 - Community
 - Member
 - Locality
 - Country
- a. 3, 1, 2, 4, 5
 b. 3, 1, 2, 5, 4
 c. 3, 1, 4, 2, 5
 d. 3, 1, 4, 5, 2
30. If A is the brother of B, B is the sister of C, and C is the father of D, how D is related to A?
- Brother
 - Sister
 - Nephew
 - Cannot be determined

Darken your choice with HB pencil

- | | | | | | | | | | | | | | | | |
|----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|
| 1. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 8. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 15. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 22. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 2. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 9. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 16. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 23. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 3. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 10. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 17. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 24. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 4. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 11. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 18. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 25. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 5. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 12. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 19. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 6. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 13. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 20. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 7. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 14. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 21. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |

Answers

Chapter 1: Plants

1.	b	2.	d	3.	d	4.	c	5.	d	6.	c	7.	d	8.	a	9.	a	10.	b
11.	a	12.	d	13.	c	14.	c	15.	a	16.	a	17.	b	18.	c	19.	b	20.	b
21.	a	22.	a	23.	b	24.	c	25.	a										

Chapter 2: Animals and Birds

1.	c	2.	c	3.	c	4.	b	5.	d	6.	b	7.	c	8.	a	9.	c	10.	c
11.	d	12.	a	13.	c	14.	a	15.	b	16.	c	17.	a	18.	c	19.	d	20.	c
21.	a	22.	a	23.	b	24.	d	25.	c										

Chapter 3: Human Body

1.	b	2.	c	3.	d	4.	a	5.	a	6.	a	7.	a	8.	b	9.	c	10.	b
11.	b	12.	d	13.	d	14.	a	15.	c	16.	c	17.	b	18.	b	19.	c	20.	c
21.	b	22.	c	23.	b	24.	d	25.	c										

Chapter 4: Earth and The Universe

1.	b	2.	b	3.	b	4.	d	5.	a	6.	b	7.	b	8.	c	9.	b	10.	b
11.	c	12.	c	13.	c	14.	a	15.	b	16.	b	17.	a	18.	a	19.	c	20.	b
21.	b	22.	c	23.	c	24.	c	25.	b										

Chapter 5: Matter and Material

1.	d	2.	a	3.	a	4.	c	5.	b	6.	a	7.	b	8.	b	9.	d	10.	c
11.	b	12.	d	13.	c	14.	c	15.	a	16.	d	17.	b	18.	d	19.	d	20.	b
21.	a	22.	d	23.	d	24.	b	25.	c										

Chapter 6: Light, Sound and Force

1.	d	2.	b	3.	a	4.	b	5.	b	6.	c	7.	c	8.	a	9.	d	10.	d
11.	a	12.	c	13.	c	14.	a	15.	b	16.	d	17.	d	18.	a	19.	b	20.	d
21.	c	22.	c	23.	b	24.	a	25.	a										

Chapter 7: Natural Resources

1.	d	2.	c	3.	b	4.	c	5.	b	6.	c	7.	c	8.	a	9.	d	10.	d
11.	c	12.	b	13.	b	14.	b	15.	c	16.	d	17.	a	18.	a	19.	c	20.	d
21.	b	22.	b	23.	d	24.	b	25.	c										

Chapter 8: Soil

1.	c	2.	b	3.	a	4.	d	5.	a	6.	b	7.	a	8.	c	9.	c	10.	a
11.	b	12.	c	13.	b	14.	a	15.	c	16.	c	17.	b	18.	b	19.	a	20.	d
21.	a	22.	b	23.	c	24.	b	25.	a										

Chapter 9: Logical Reasoning

1.	b	2.	c	3.	b	4.	a	5.	b	6.	a	7.	a	8.	c	9.	a	10.	a
11.	d	12.	b	13.	c	14.	a	15.	c	16.	d	17.	b	18.	c	19.	d	20.	d
21.	a	22.	a	23.	d	24.	c	25.	b	26.	d	27.	b	28.	a	29.	a	30.	d

My Notes

My Notes