

Lesson- 6
Solids, liquids and Gases

[A] Fill in the blanks.

- (1) Molecules
- (2) liquids
- (3) Interchangeable
- (4) Water
- (5) Solute.

[B] Tick (✓) the correct answer.

- (1) (a) Solid, liquid and gas
- (2) (b) Condensation
- (3) (b) Formation of water drops on the glass of cold water
- (4) (a) Solids
- (5) (a) Solute.

[C] True or false :-

- (1) True
- (2) False.
- (3) True
- (4) False
- (5) True.

[D] Answer these questions in a sentence.

[1] What is matter?

Ans. Matter is anything that has mass and occupies space.

[2] Why do solids have a definite shape and size?

Ans. ~~The molecules in solids are~~ ~~so~~ ~~close~~ ~~packed~~
Solids have a definite shape and size because their molecules are closely packed.

PTO.

[3] How is a gas able to spread in all directions?
Ans. Gas is able to spread in all directions because their molecules are far apart from each other. So they move freely.

[4] Do molecules in a liquid have more space between them than solids?

Ans. Yes, molecules in a liquid have more space between them than solids.

[5] What is solubility?

Ans. The ability of a solute to dissolve in a solvent is known as solubility.

[E] Answer these questions-

[Q2] Write the difference between solids and liquids.

Ans. The differences between solids and liquids are as

	Solids	Liquids
(i)	Solids have a definite shape and volume.	(i) A liquid has a definite volume but no definite shape.
(ii)	The molecules are very closely packed.	(ii) The molecules are not very closely packed.

Q-3- How can you change ice into steam?

Ans. We can change ice into steam by first heating ice to convert it into water and then again heating water to convert it into steam.

—X—

Class - IV

Assignment - 2

Sub - Science

P.No - 56 to 61

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Alanta

[A] Fill in the blanks with the correct option.

[1] The _____ traps maximum sunlight. (midrib / leaf blade)

[2] Air enters and leaves the leaf through the _____. (stomata / veins)

[3] Plants produce _____ during photosynthesis. (sugar / carbon dioxide)

[4] In cactus, photosynthesis takes place in the _____. (roots / stem)

[B] Name the following.

[1] The flat broad surface of the leaf

[2] The minute pores on a leaf

[3] The green substance on the leaf

[4] A plant in which the food is prepared by the stem

[C] Answer these questions:-

[1] What is the function of the veins in a leaf?

[2] Write a short note on the role of stomata in the leaf?

[3] What food does the plant prepare?

[4] Draw and label a diagram of the parts of a leaf?

[5] What does a plant require to make food?

— x —

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Sub - Science
P.No - 56 to 61

Assignment - I

Page No. _____
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[A] Fill in the blanks with the correct option.

- [1] The _____ traps maximum sunlight. (midrib/leaf blade)
- [2] Air enters and leaves the leaf through the _____. (stomata/veins)
- [3] plants produce _____ during photosynthesis (sugar/carbon dioxide)
- [4] In cactus, photosynthesis takes place in the _____. (roots/stem)

[B] Name the following.

- [1] The flat broad surface of the leaf _____
- [2] The minute pores on a leaf _____
- [3] The green substances on the leaf _____
- [4] A plant in which the food is prepared by the stem _____

[C] Answer these questions:-

- [1] What is the function of the veins in a leaf?
- [2] Write a short note on the role of stomata in the leaf?
- [3] What food does the plant prepare?
- [4] Draw and label a diagram of the parts of a leaf.
- [5] What does a plant require to make food?

class-IV
Sub- Science
P.No - 37 to 43

[Assignment-5]
Lesson-5

Page No. _____
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[A] Fill in the blanks:-

- (1) _____ Walls keep the house cool. (Thick/Thin)
- (2) _____ is used to make tents. (Fabric/Clay)
- (3) Ice is used to make _____ (Igloos/tents)
- (4) Budget is the amount of _____ that has to be considered for building a house (Land/Money)

[B] Complete the following:

- (1) Concrete is used because of _____
- (2) Metals like steel and iron are used to make _____
- (3) The cost of a house depend on _____
- (4) A house should have overhead tanks to _____

[C] ① What are the advantages of having a thatched roof?

② Why is glass used a building material?

③ Name the various people who work to build a house. ?

④ Name any five building materials used in making a low cost, temporary house. ?

Aljano

Lesson - 5
[Question and Answer Full Lesson]

[A] Fill in the blanks! :->

- (1) Thick
- [2] Fabric
- [3] igloos
- [4] roofing
- [5] Money

[B] ~~Three~~ Tick (✓) the correct answer.

- (1) - (C) Budget
- (2) - (a) Floors
- [3] - (a) An engineer
- [4] - (a) drainage system
- [5] [b] rain water

[C] Complete the following:

[1] The types of houses built in an area depend on the climate of that place, building materials available in the place and the money available with a person.

[2] Concrete is used because of its strength and long life.

[3] Metals like steel and iron are used to make strong building.

[4] The cost of a house depend on its size, building material used, interior decoration of the house, cost of land, location, facilities available, etc.

[5] A house should have overhead tanks to store enough water.

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Sub. Sci
P. No. 46 to 54

[Assignment - 6]
Lesson - 6

Page No. _____
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[A] Fill in the blanks with the correct option.

[1] Matter is made of tiny particles called _____
(Solutes / Molecules)

[2] _____ flow from a higher level to a lower level
(Solids / Liquids)

[3] states of matter are _____ (fixed / Interchangeable)

[4] In a sugar solution, sugar is the _____ (solute / solvent)

[B] State whether the following sentences are true or false

[1] Molecules are so small that they cannot be seen _____

[2] Sand is soluble in water _____

[3] Gases have a definite shape and size _____

[C] Answer these questions:-

[1] What is matter

[2] Why do solids have definite shape and size?

[3] How is a gas able to spread in all directions?

[4] What is solubility?

[1] (1) What are the advantages of having a thatched roof?

Ans- The advantages of having a thatched roof is it remain cool in summer and warm in winter.

[2] Name any five building material used in making a low cost, temporary house?

Ans- Five building materials used in making a low-cost, temporary house are mud, clay, sand, gravel and straw.

[3] Name any five building material used in making a big, permanent house.

Ans- Five building materials used in making a big permanent house are rocks, granite, wood, cement and glass.

[4] Why is glass used as a building material?

Ans- Glass is used as a building material because of its ability to let light in while keeping dust and insect away.

[5] Name the various people who work to build a house?

Ans- The various people who work to build a house are as:- architect, engineer, mason, carpenter, fabricator, plumbers, electricians, tilers and painters.

[A] Fill in the blanks:-

- (i) - Safety
- (ii) - Chemicals
- (iii) - Open
- (iv) - Sharp
- (v) - Footpath
- (vi) - St and

[B] Tick (✓) the correct answer:-

- [1] - (c) pushing each other
- [2] - (c) Both (a) and (b)
- [3] - (c) contacts the gas agency
- [4] - (c) do not throw any object at the train
- [5] - (c) Both (a) and (b)

[C] (i) You must not leave your toys on the floor because you may trip over them.

(ii) You must not play in the classroom because you may fall down and hurt your self.

(iii) While riding a bicycle you should be careful if the road is wet because you may slip and hurt yourself.

(iv) You must not throw any object at the train because it can hurt people on the train or even you.

(v) The wound should always be cleaned before applying an antiseptic cream because it prevents infection caused by germs.

[A] Fill in the blanks

- (i) Fibres
- (ii) Spun
- (iii) Woollen
- (iv) Coir
- (v) Hessian

[B] Tick (✓) the correct answer:-

- [1] - (c) Woollen sweater
- [2] - (b) linen
- [3] - (a) Fibre, yarn, cloth
- [4] (a) silk
- [5] (b) acrylic

[C] Match the following:

- (i) Fleece → (b) coat of sheep
- (ii) cocoon → (d) silk worm
- (iii) loom → (a) weaving machine
- (iv) linen → (c) flax
- (v) rubber → (e) water proof

[D] Answer these questions:-

[1] How do we get coloured, printed cotton cloth?

Ans: We get coloured, printed cotton cloth by weaving the yarn together on a machine called a loom followed by series of process, then the cloth is dyed with coloured or printed

[2] How do we get wool?

Ans:- We get wool from animals that have thick coat of hair on their skin like - Sheep, goat.

[3] How is silk cloth made?

Ans. The cocoons (silk covering on the bodies of silkworms) are put in hot water and then skilled workers, carefully unwind this thread and that thread is woven into a silk cloth.

[4] How do we get fibres from flax plant?

Ans. The stems of flax plants are allowed to rot followed by a beating process to separate the long fibres.

[5] What are the differences between natural fibres and synthetic fibres.

Natural fibres

Ans. The difference between synthetic fibres and natural fibres are:-

Natural fibres	Synthetic fibres
(i) Fibres that we get from plants and animals are called natural fibres	(i) Fibres that we produce from different chemical in factories, is called synthetic fibre
(ii) These fibres are less stronger	(ii) these fibres are more stronger
(iii) For ex- Cotton, Silk	(iii) For ex- Rayon, Nylon.

[5] What rules should you follow while crossing the railway tracks?

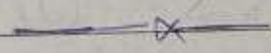
Ans: - We should follow some rules while crossing the railway tracks are given:->

(i) Cross the railway track only at the railway crossing or use the foot over bridge.

(ii) While crossing the railway tracks at the gate wait for the gates to open.

[6] What should you do if somebody gets a minor burn on the hand?

Ans: If somebody gets a minor burn on the hand then pour cold water over it and then apply medicine.



1. OUR FOOD

Assignment - 1

Class-iv

P. 9. 1 to 7

A. Fill in the blanks:-

1. Proteins
2. Carbohydrates
3. Proteins
4. nutrients
5. Steaming.

B. Tick (✓) the correct answer

1. (b) Minerals
2. (c) Radish
3. (b) Carbohydrates
4. (c) Canning
5. (c) both a and b.

C. Match the following

- | | |
|------------|-------------------|
| 1. Fat | (c) butter |
| 2. Iron | (d) mineral |
| 3. Starch | (e) Carbohydrates |
| 4. Cooking | (a) boiling |
| 5. Canning | (b) Preservation |

D.

1. Nutrients are ^{present} substances in food which provide nourishment to the body.

2. Two foods which are rich in carbohydrates are Rice and Potatoes.
3. Calcium and Iron are two minerals which are needed in small amounts by our body.
4. The diet that provides all the nutrients in the right amount is called a balanced diet.
5. We cook food to make it soft, tasty and easy to digest.

E. /

1. Proteins should be included in our daily diet because they help our body to build muscles, other organs and blood.
2. Vitamins and minerals are called protective food because they help our body to fight diseases.
3. Fruits and vegetables should be washed before eating to remove ~~dust~~ (dirt) and mud stick on them.

Food should be cooked in just enough water because extra water in cooked food also contains nutrients. If the extra water is thrown away, the nutrients in it are also lost.

A. Fill in the blanks

1. 32
2. Molars
3. Pulp
4. Saliva
5. Small intestine

B. Tick the correct answer

1. (b) Mouth
2. (b) Small intestine
3. (a) blood
4. (c) Saliva
5. (c) Pulp

C. Correct the following sentences:-

1. A small baby has tooth buds inside the gum.
2. The shape of teeth depends on their function.
3. ~~The outermost part of the tooth is called enamel.~~
4. Saliva helps in the digestion of starch.

5. Bile helps to digest fats

6. Water is absorbed in the large intestine

D. Match the following

- | | | | |
|---|-----------------|---|----------------------|
| 1 | incisor | — | (c) teeth. |
| 2 | mouth | — | (d) Saliva |
| 3 | Small intestine | — | (e) Long Coiled tube |
| 4 | Oesophagus | — | (a) Food Pipe |
| 5 | Liver | — | (b) Liver. |

E. Answer these questions. -

1. The different types of teeth and their functions are

- (i) Incisor for cutting
- (ii) Canines for gripping and tearing
- (iii) Premolars and molars for grinding and chewing the food.

2.

3. The acid given out by germs damages the enamel which causes tooth decay.

4. We should take care of our teeth by following ways :-

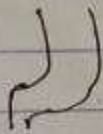
(i) Rinse your mouth after every meal

(ii) Do not eat too much of sticky foods, sweets and soft drinks.

(iii) Visit your dentist at least once in six months.

5. The process by which food is broken down into simple substance is called digestion.

6. The food in the stomach is churned and digestive juices are added. Here the food turns into a semi-liquid and proteins are broken down into simple form.



7. The main role of the large intestine is to absorb water from the undigested food.

Assignment - (4)

[A] Answer these questions:

(1) How do we get wool?

[2] How is silk cloth made?

[3] How do we get fibres from flax plant?

[B] Match the following:

[1] Fleece

(a) Weaving machine

[2] Cocoon

(b) Coat of sheep

[3] Loom

(c) Flax

(4) Linen

(d) Silkworm

[5] rubber

(e) water proof

[C] Fill in the blanks with the correct option.

(1) Fibres are _____ into threads (knit/spun)

(2) Warm clothes are made from _____ fibres.

(Woolen / linen)

(3) _____ is obtained from coconut fibres

(Jute / coir)

(4) _____ cloth is used for making sacks

(Hessian / silt)

[A] Fill in the blanks:-

[1] _____ walls keep the house cool
(Thick / Thin)

[2] _____ is used to make tents. (Fabric / clay)

[3] Ice is used to make _____ (tents / igloos)

[4] slate is used as _____ material (wall / roofing)

[B] Complete the following:

(i) The types of houses built in an area depend on _____

(ii) Concrete is used because of _____

(iii) The cost of a house depend on _____

(iv) A house should have overhead tanks to _____

[C] Answer these questions:-

(1) What are the advantage of having a thatched roof?

(2) Why is glass used as a building material?

(3) Name the various people who work to build a house?

(4) Name any five building material used in making a low cost, temporary house

Assignment - 1

A Answer these questions:-

- (i) What are nutrients?
- (ii) Write two foods which are rich in carbohydrates
- (iii) What is a balanced diet?

[B] Fill in the blanks with the correct option.

(i) The nutrients that help your body to grow are _____ (vitamins / protein)

(ii) Body-building food are rich in _____ (protein / fat)

(iii) If food is overcooked, useful _____ are lost (Fuels / Nutrients)

(iv) _____ is a method of cooking food. (Steaming / Freezing)

[C] Match the following:-

- | | |
|------------|-------------------|
| 1. Fat | (a) boiling |
| 2. Iron | (b) Preservation |
| 3. Starch | (c) Butter |
| 4. Cooking | (d) Mineral |
| 5. Canning | (e) Carbohydrates |

Assignment - 2

Class - IV

Sub - Science

Page No. _____
Date _____

[A] ~~Write~~ Answer these questions:

(1) Name the different types of teeth and their functions.

(2) Draw and label the structure of a tooth.

(3) What causes tooth decay?

[B] Match the following:

(1) Incisor

(a) Food pipe

(2) Mouth

(b) Bile

(3) Small intestine

(c) Teeth

(4) Oesophagus

(d) Saliva

(5) Liver

(e) long coiled tube

[C] Fill in the blanks with the correct options.

(i) Number of teeth in a complete set of permanent teeth is _____ (20/32)

(ii) The _____ is the innermost layer of the tooth. (pulp / enamel)

(iii) In the mouth, the food mixes with _____. (acid / saliva)

(iv) The bile from the liver mixes with the food in the _____. (stomach / small intestine)

Class - IV

[A] Answer these questions:

(1) What will you do if the cooking gas cylinder starts leaking?

(2) Why should you not listen to music while riding a bicycle?

(3) What should you do if somebody gets a minor burn on the hand?

[B] Complete the following sentences:

(i) You must not leave your toys on the floor because

(ii) You must not play in the classroom because

(iii) You must not throw any object at the train because

(iv) While riding a bicycle, you should be careful if the road is wet because

(v) The wound should always be cleaned before applying an antiseptic cream because

The end

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