

2nd Term Worksheet [2018 – 19]

Subject – Science

Class – V

Name :

Sec. :

Chapter – 6
[Solids, Liquids and Gases]

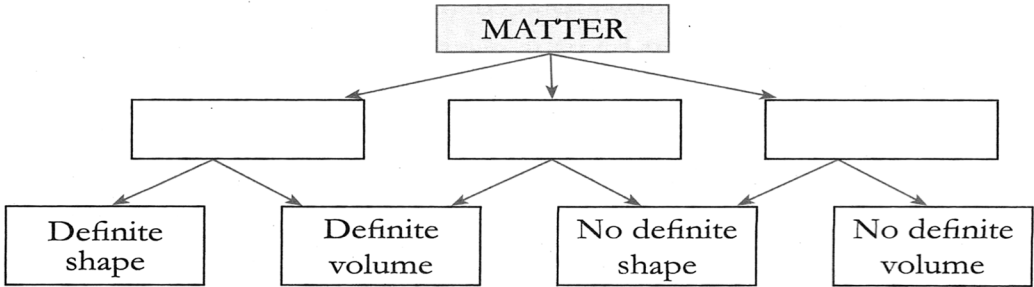
Keywords: [72]

Matter: _____

Sedimentation: _____

Exercise: [72-74]

1. Fill in the blank boxes to identify the states of matter. [72]



2. Multiple Choice Questions: [73]

- (i) Which of these is made up of molecules?

(a) Solid

(b) Liquid

(c) Gas

(d) All of these
- (ii) The space between the molecules which of these is the highest?

(a) Solid

(b) Liquid

(c) Gas

(d) Same in all of these
- (iii) The attraction between molecules of which of these is the highest?

(a) Solid

(b) Liquid

(c) Gas

(d) Same in all of these
- (iv) By which method can you separate a solid soluble in a liquid form the liquid?

(a) Sedimentation

(b) Decantation

(c) Filtration

(d) None of these
- (v) Which of these statements is true at night in a coastal area?

(a) Wind blows from sea to land.

(b) Air above the sea is cooler than air above land.

(c) Air above the sea is warmer than air above land.

(d) Air above both land and sea is equally warm
- (vi) Which of these can remove warm air from a room?

(a) Ventilator

(b) Exhaust fan placed high up in a room

(c) Chimney

(d) All of these

3. Name these: [73]

- a) Solid, liquid and gas are the three

- b) Their molecules are packed together very closely.

- c) Their molecules are totally free to move around.

- d) They can flow but have a definite volume.

- e) This gas forms three-fourths of air by volume.

- f) Winds that blow over India and bring rain.

4. Put ✓ for true, and ✕ for false:

- a) Molecules of all liquids are the same.
- b) Atoms are made up of molecules.
- c) Molecules in a solid are closer to each other than molecules in a liquid or gas.
- d) A solid takes the shape of the container it is placed in.
- e) A heavy insoluble solid, when mixed with a liquid, will form a sediment in the liquid.
- f) The main gases present in air are oxygen and carbon dioxide.

5. What is matter? What is it made up of?

Ans.

6. How is the arrangement of molecules in ice different from their arrangement in water?

Ans.

7. Why do gases not have a definite shape or volume?

Ans.

8. Why does wind flow from the sea to the land during the day?

Ans.

9. Why are exhaust fans placed near the top of ceiling in a cinema hall?

Ans.

[74]

- [illegible]

Keywords: [85]

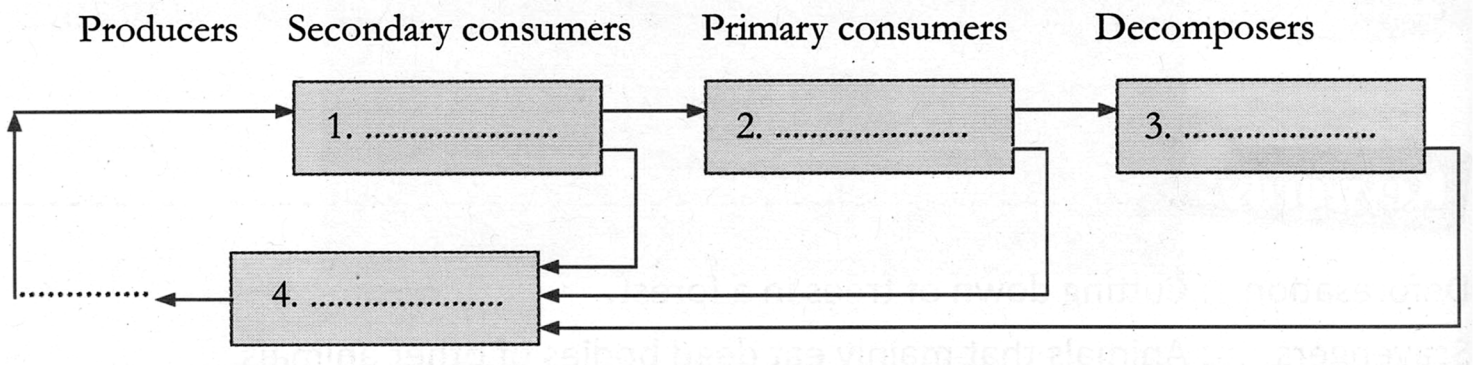
Deforestation: _____

Scavengers: _____

Decomposers: _____

[86-88]

- [86]



- Ans. _____

- b. Why are these materials shown going back to Box 1?
- Ans. _____

2. Multiple Choice Questions:

[86]

- (i) Which of the following is a non-living part of the environment?
- (a) Animals

(b) Soil

(c) Bacteria

(d) Plants
- (ii) Plants depend on animals for:
- (a) Food

(b) Oxygen

(c) Carbon dioxide

(d) Shelter
- (iii) Scavengers are:
- (a) Producers

(b) Primary consumers

(c) Secondary consumers

(d) Decomposers
- (iv) Which of these is a secondary consumer?
- (a) Grass

(b) Cow

(c) Snake

(d) Giraffe
- (v) Which of these food chains is correct?
- (a) Grass→Goat→Tiger

(b) Tiger→Goat→Grass

(c) Goat→Grass→Tiger

(d) Grass →Tiger→ Goat
- (vi) Which of these human activities upset the balance in nature?
- (a) Cutting down forests

(b) Hunting wild animals

(c) Setting up factories that release harmful gases

(d) All of these
- (vii) Which of these is good for the environment?
- (a) Afforestation

(b) Deforestation

(c) Global warming

(d) All of these

3. Put √ for true, and ✕ for false:

[87]

- a) Living things are dependent on non-living and other living things. ☐
- b) Interdependence in nature means that all living things are independent of other living things. ☐
- c) Plants are known as producers and animals as consumers. ☐
- d) Global Warming is good for the environment. ☐
- e) Rainwater harvesting means using rainwater to grow crops. ☐

4. Match the columns:

[87]

Column A	Column B
a) Cow	i. Primary consumer
b) Lion	ii. Decomposer
c) Vulture	iii. Scavenger
d) Fungus	iv. Extinct
e) Animal that no longer exists on earth	v. Secondary consumer

5. List two way in which:

[87]

- a. Plants depend on animals

- b. Animals depend on plants

6. Differentiate between:

[87]

- a. Living and non-living components of the environment

- b. Producers and consumers

- c. Scavengers and decomposers

7. Give an example of a food chain. Why do all food chains begin with plants?

Ans.

8. How has deforestation upset the balance in nature?

Ans.

9. What is global warming? How does it affect the environment?

Ans.

10. What is rainwater harvesting? How can it help to increase the level of groundwater?

Ans.

11. What are the effects of a forest fire?

Ans.

Thinking Questions:

[88]

1. Suppose all plants are destroyed. What effect will this have on the environment?

Ans.

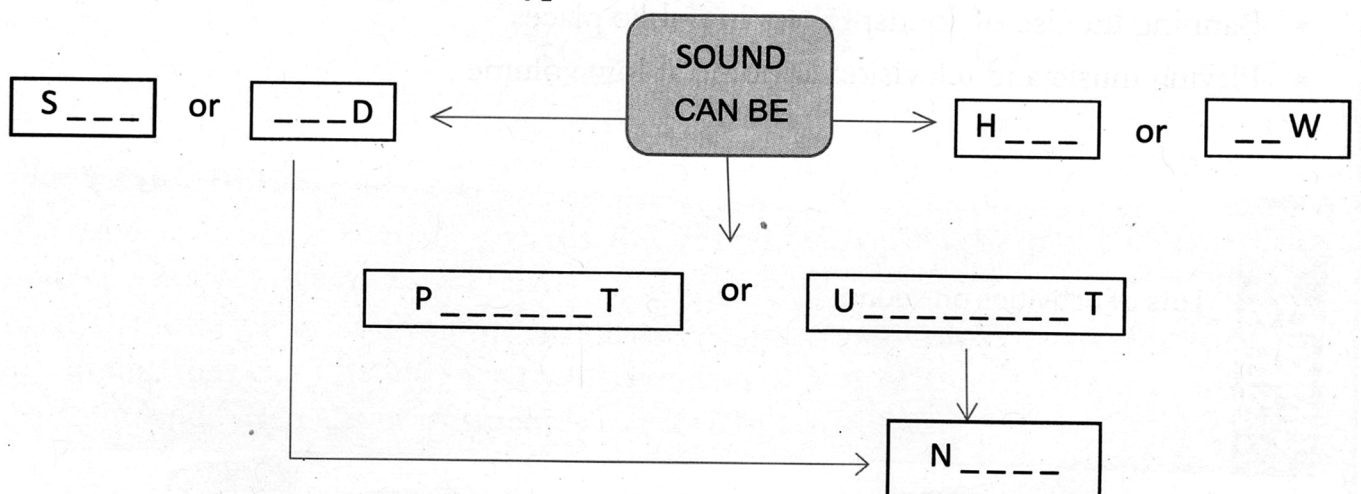
[illegible][illegible]

[93]

Noise pollution: _____

[94-95]

[94]



2. Multiple Choice Questions: [94]
- (i) Which of these best describes a sneeze?

(a) Pleasant and loud

(b) Unpleasant and loud

(c) Pleasant and soft

(d) Unpleasant and soft
- (ii) Sound produced by which of these musical instruments is the lowest?

(a) Guitar

(b) Flute

(c) Drum

(d) Violin
- (iii) Which of these are warning sounds?

(a) Shouting to warn of danger

(b) Siren of an ambulance

(c) Fire alarm

(d) All of these
- (iv) Constant noise pollution around us can cause:

(a) Headaches

(b) loss of hearing

(c) fever

(d) Both (a) and (b)

3. Fill in the blanks with the names of the sounds produced by these animals: [94]
- Elephant: _____

Lion: _____

Horse: _____

Duck: _____

4. List three sounds produced in nature, and three sounds produced by things made by humans.

Ans.

5. What kind of sound is annoying to hear?

Ans.

6. What are warning sounds? How are they useful to use?

Ans.

7. What is noise pollution? What kind of sounds produce noise pollution?

Ans.

[illegible]

[95]

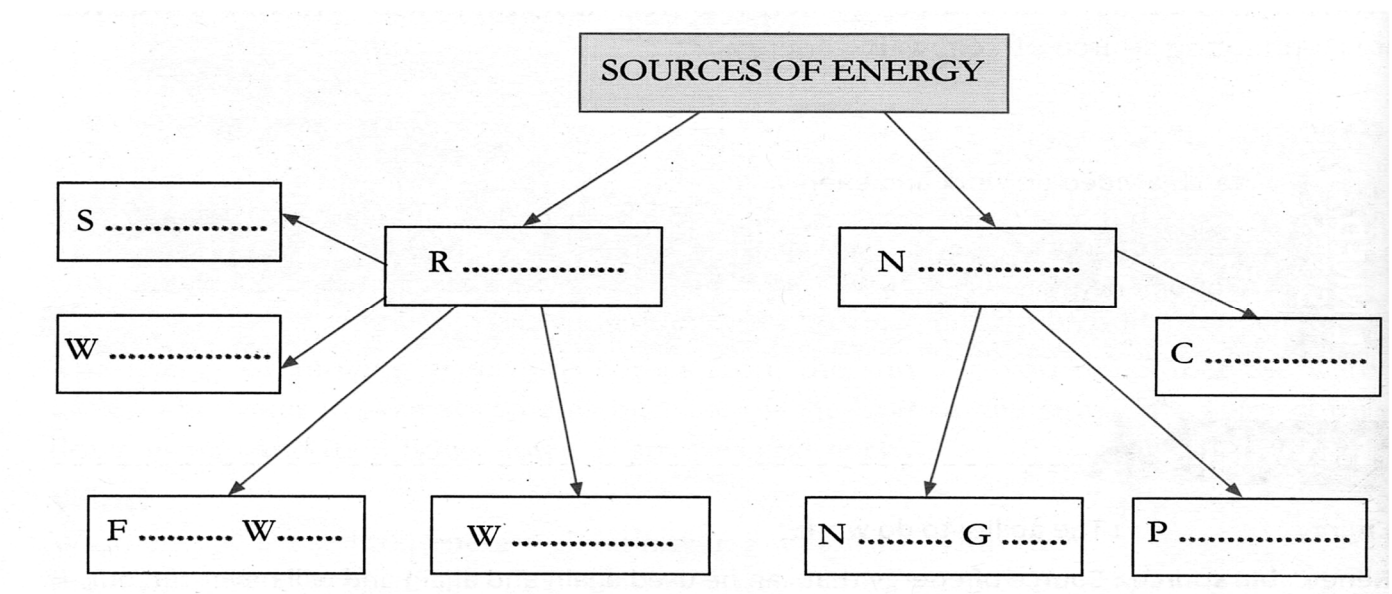
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Keywords: [101]

Renewable source: _____

[102-104]

[102]



2. Multiple Choice Questions:

[102-103]

- (i) In which case is the work done the most?
- (a) Lifting a brick by 1 m (b) Lifting a brick by 2 m
- (c) Lifting two bricks by 1 m (d) Lifting two bricks by 2 m
- (ii) The energy of which of these comes from the sun?
- (a) Coal (b) Petroleum
- (c) Natural gas (d) All of these
- (iii) Which of these sources of energy is non-renewable?
- (a) Sun (b) Wind
- (c) Coal (d) Wood
- (iv) Which of these directly converts the energy of the sun into electricity?
- (a) Solar cooker (b) Solar water heater
- (c) Solar cell (d) All of these
- (v) The energy obtained from which of these is non-polluting?
- (a) Coal (b) Wood
- (c) Wind (d) Natural gas

3. Fill in the blanks:

[103]

- a) When a force moves something _____ is done.
- b) To do work, _____ is required.
- c) A moving car has _____ energy or _____ energy.
- d) Energy of current flowing in a wire is _____ energy.
- e) Wood and coal can be burnt to get energy. They are _____.
- f) Electricity generated in dams built over rivers is called _____ energy.
- g) _____ sources of energy will never run out.
- h) Water is heated using the sun's energy in a _____ heater.

4. Match the columns:

[103]

- | Column A | Column B |
|---|--------------------|
| a) Primary source of most forms of energy | (i) Non-renewable |
| b) Energy of a moving object | (ii) Dam |
| c) Structure built on rivers to get electricity | (iii) Sun |
| d) Sources of energy that, once used up, cannot be replaced | (iv) Motion energy |

5. Give one example for each of the following:

[103]

- a. Force is applied and work is done

- b. Force is applied but no work is done

6.

What is energy?

[104]

Ans.

7.

List four forms in which energy exists. Give one way in which each is used.

[104]

Ans.

8.

What is a fuel? Name one fuel that is renewable and three fuels that are non-renewable.

[104]

Ans.

9.

Give two examples of renewable energy sources and say why they are considered to be renewable.

[104]

Ans.

10.

How is energy of flowing water used to generate electricity?

[104]

Ans.

Thinking Questions:

1. Study these two statement:
 - a. Coal is formed from dead trees. Since trees will always be there and will die, therefore coal is a renewable form of energy.
 - b. Wood is obtained from trees. Since trees will always keep growing therefore wood is a renewable form of energy.

Do you agree with the statements? Give reasons.

Ans.

[illegible]