



Silver Grove School

SAMPLE PAPER SET A (2025-26)

CLASS- 6

SUBJECT: Chemistry

TIME: 2Hrs.

M.M. 50

Name :

Roll no :

Instruction:-

- A. The answer to the questions must be written on the paper provided separately.*
- B. You will not be allowed to write in the first 15 minutes.*
- C. This time is to be spent in reading the question paper.*
- D. Attempt all questions from section A and Section B. But Section B has internal choice.*
- E. Marks for the question or parts are given in brackets.*

Section A

Question 1 Choose the correct option.

1. About how much of the Earth's surface is covered with water? (a) One-fourth (b) Half (c) Three-fourths (d) One-tenth
2. The gas used by plants to make food is: (a) Oxygen (b) Nitrogen (c) Carbon dioxide (d) Hydrogen
3. The process by which water vapour changes into water droplets is called: (a) Evaporation (b) Condensation (c) Precipitation (d) Infiltration
4. Which of the following does not support burning? (a) Oxygen (b) Nitrogen (c) Carbon dioxide (d) Oxygen and nitrogen
5. Which gas is responsible for causing acid rain?
a. Oxygen b. Nitrogen c. Carbon dioxide d. Sulphur dioxide
6. What is the approximate percentage of oxygen in the atmosphere?
a. 78% b. 21% c. 0.03% d. 0.9%
7. Which of the following is not a form of precipitation?
a. Rain b. Hail c. Snow d. River
8. What happens when we add chalk powder in water?
a. Chalk powder does not dissolve in water
b. Chalk powder disappears in water
c. Chalk powder dissolves in water
d. Water becomes blue in colour.

Question 2

Fill in the blanks with suitable words.

(1X5=5)

1. The continuous circulation of water in nature is called the _____.
2. Sea water is not fit for drinking because it is _____.
3. All living organism need _____ for respiration.
4. The supporter of combustion in the air is _____.
5. Drinking water should be free from _____.

Question 3

(1X5=5)

State whether the following statements are True or False .

1. River water is as saline as sea water.

2. Evaporation needs heat.

3. Photosynthesis is a process by which green plants prepare their own food in the presence of sunlight and chlorophyll.
4. The percentage of carbon dioxide in the air is between 0.2 to 0.4%.
5. The water cycle is not influenced by temperature changes.

Question 4

(1X4=4)

Match the column A with column B

Column A

1. Troposphere
2. Stratosphere
3. Mesosphere
4. Thermosphere

Column B

- a. ozone layer
- b. clouds, rain, snow
- c. temperature rises rapidly
- d. insufficient air to breathe

Question 5

(1X5=5)

Assertion and Reason

For question numbers 1 to 5, two statements are given—one labelled Assertion(A) and the other labelled Reason (R). Select the correct answer to these questions from the codes(a),(b),(c) and (d) as given below:

- a. Both Assertion and Reason are true and Reason is the correct explanation of the Assertion.
 - b. Both Assertion and Reason are true but Reason is not the correct explanation of the assertion.
 - c. Assertion is true but Reason is false.
 - d. Assertion is false but reason is true.
1. **Assertion (A)** Plants help to purify air by taking in carbon dioxide.
Reason (R) Carbon dioxide is used in photosynthesis.

2.Assertion (A) The sea water is saline.

Reason (R) The sea water contains many dissolved salts.

3. Assertion (A) Air has mass.

Reason (R) Air can be easily compressed.

4. Assertion (A) The atmosphere is comprised of different layers.

Reason (R) The temperature and composition of the atmosphere change with increasing altitude.

5. Assertion (A) Atmosphere is essential for life on earth.

Reason (R) Carbon dioxide is a colourless, odourless gas present in air.

Section B

Question 6

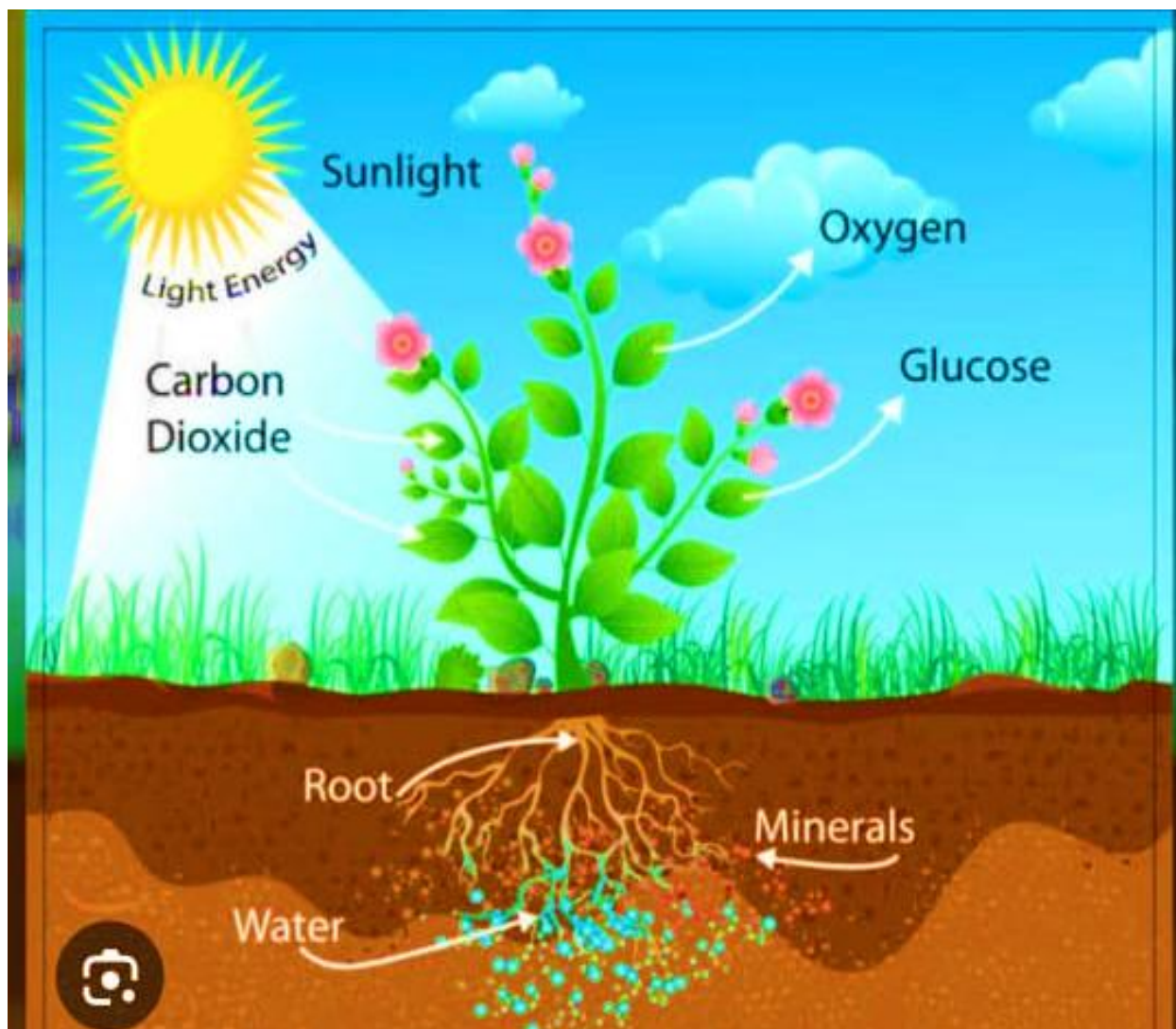
(2X3=6)

Short answer type questions

1.Give two uses of air.

2. What is wind?

3. Look at the picture.Name and define the process associated with it.



Question 7**(3X3=9)****Attempt any three of the following question.**

1. What is the importance of nitrogen.
2. explain the water cycle with the help of a diagram.
3. Draw a diagram to show the components of air with their approximate percentage by volume in air.
4. give four important uses of air.

Question 10**(.5X4=2)****Concept Based Questions**

Air is a mixture of gases that surrounds the Earth. It consists of mainly nitrogen and oxygen along with small amount of other gases such as carbon dioxide, water vapour and noble gases. Air is important for several reasons. It is essential for the survival of living organism as oxygen in the air is required for respiration. Air also plays a crucial role in the water cycle, weather patterns, and climate regulation. Additionally, air acts as a medium for sound propagation and serves as a protective layer, shielding the Earth from harmful solar radiation.

1. Which of the following is not a primary pollutant?
a. Carbon monoxide b. Nitrogen dioxide c. Sulphur dioxide d. Oxygen
2. What is the role of plants in the air purification process?
a. Plants release oxygen into the atmosphere.
b. Plants absorb carbon dioxide during photosynthesis.
c. Plants remove pollutants from the air.
d. All of these
3. What is the function of ozone layer in the atmosphere?
a. It traps heat from the sun.
b. It prevents harmful ultraviolet (UV) rays from reaching the Earth's surface.
c. It provides oxygen for breathing.
d. It absorbs carbon dioxide from the air.
4. Air plays a crucial role in the
a. water cycle b. weather patterns c. climate regulation d. all of these

Question 11**Project Work****10**