

DELHI PUBLIC SCHOOL JAMMU

SESSION-2024-25

REVISION SHEET

CLASS-IX

MARKS: 25

SUBJECT - SCIENCE

SECTION -A

1. The path length travelled by a body in a given time interval is known as _____. 1
 - a. distance
 - b. velocity
 - c. acceleration
 - d. moment

2. Velocity is defined as _____ per time. 1
 - a. distance
 - b. displacement
 - c. power
 - d. acceleration

3. A form of matter that has no fixed shape but has a fixed volume. An example of this form of matter is _____ 1
(a) carbon dioxide (b) ice (c) water vapor (d) kerosene

4. Which of the following has highest intermolecular forces of attraction: 1
(a) Water at room temperature (b) carbon dioxide gas (c) Ethyl alcohol (d) Iron metal

5. The barrier between the protoplasm and the outer environment in an animal cell is: 1
 - (a) Cell wall
 - (b) Plasma membrane
 - (c) Nuclear membrane
 - (d) Cytoplasm

6. New cells generate from: 1
 - (a) bacterial fermentation
 - (b) regeneration of old cells
 - (c) pre-existing cells
 - (d) abiotic materials

7. Which of the following are examples of prokaryotes? 1
 - (a) Algae

- (b) Fungi
- (c) Bacteria
- (d) Protozoa

Following questions consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true

8. Assertion: The displacement of an object can be either positive, negative or zero.
Reason : Displacement has both the magnitude and direction. 1

9. Assertion: Gases exert pressure on the walls of the container.
Reason : The intermolecular force of attraction is very strong in gases. 1

10. **Assertion**-All non-living things composed of cells. 1
Reason-Cell is the basic unit of non- living things.

SECTION-B

11. Define vector quantity and give two examples of it. 2

12. Why do the gases exert more pressure on the walls of the container than the solids? 2

OR

Why does Ice float on water although it is a solid. Explain.

13.(a) Name two structures found in plant cells but not in animal cells. 2
(b) What is a nucleoid?

SECTION-C

14. Give two points of difference and one point of similarity between distance and displacement. 3

15. With the help of an activity show that particles of matter have spaces between them. 3

16. Draw a neat labelled diagram of animal cell. 3

OR

Differentiate between unicellular organisms and multicellular organisms

