

# Matter in Our Surroundings Question Answers Test-1

## Subjective Test

### Question 1 (1.0 marks)

State whether True or False.

- (i) Water has no definite shape; therefore, it is not matter.
- (ii) Gases expand to fill the space available.

### Question 2 (1.0 marks)

A substance has a definite volume, but no definite shape. State whether this substance is solid, liquid or gas.

### Question 3 (1.0 marks)

Which physical state of matter is the densest?

### Question 4 (2.0 marks)

What are the different factors affecting evaporation?

### Question 5 (2.0 marks)

The following figure shows a block of ice. Give two reasons as to why this block is considered as matter.



### Question 6 (2.0 marks)

Why does matter change state?

### Question 7 (2.0 marks)

It is observed that water boils at lower temperature at higher altitudes. Why?

### Question 8 (2.0 marks)

If some alcohol is rubbed on the hand, the rubbed portion of the hand feels cool. Why?

### Question 9 (3.0 marks)

Name the following.

- (i) State of matter having the maximum intermolecular space
- (ii) Force between particles of matter
- (iii) State of matter with only one free surface

### Question 10 (3.0 marks)

A large crystal of potassium permanganate is kept in a glass beaker containing water. This setup is then left undisturbed for an hour. The solution undergoes a change in color.

- (i) What is this change in color?
- (ii) Why does such a change take place?