



**DOON PUBLIC SCHOOL**

(C.B.S.E. Affiliation No. 1030502)

**Class 9 ( 2021-22)**

**Chemistry**

**Chapter 1**

**Worksheet - 1**

**Topic - matter & its states**

**Holiday homework**

**Question 1.**

(i) Five constituents with which matter is made up of is known as :

- (A) Panchtatvas                      (B) panch matter  
(C) panch particles                (D) None of these

(ii) Which of following is not a matter ?

- (A) Air                                      (B) sand  
(C) feeling of cold                      (D) vapours

(iii) The intermolecular forces are minimum in :

- (A) Solids                                  (B) liquids  
(C) Gases                                    (D) None of these



**Question 2.**

- (i) The particles of solids are ..... packed .
- (ii) A substance has definite volume but not definite shape is called .....
- (iii) The smell of perfumes gradually spread across the room due to .....

**Question 3.**

- (i) What is matter ? Give any four example .
- (ii) Write any 4 characteristics of particles of matter .

**Question 4.**

- (i) A sponge can be pressed easily still it is called solid .  
Give reason .
- (ii) What are the two ways in which physical state of matter can be changed .

### Question 5.

Define following -

(i) Density

(ii) Rigidity

(iii) Latent heat of fusion

(iv) Compressibility

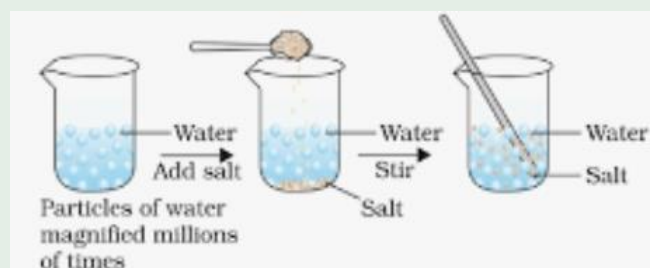
### Question 6.

Tabulate difference between solids, liquids & Gases .

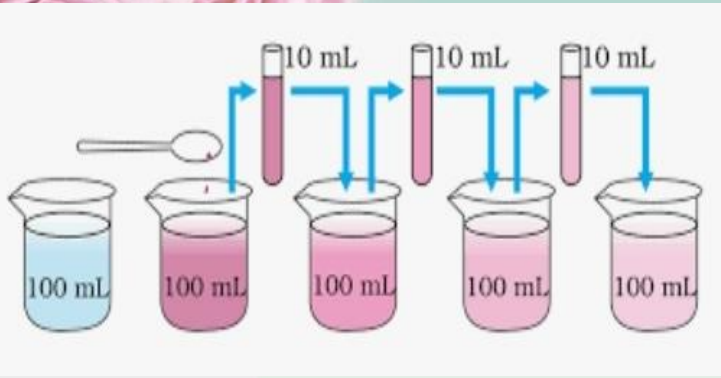
### Question 7.

State the observation & conclusion for the following & draw picture also for all activities .

(i) When we add sugar particles in water .



(ii) When we add 2-3 crystal of potassium permanganate in 100 ml water n keep diluting the solution about 4 to 5 times.



### **Question 8.**

Read activity 1.7 & write observation .



What is the order of strength of these 3 substances .

### **Question 9.**

Open a water tap , try breaking the stream of water with your finger . Were you able to cut the stream of water .

Write observation with conclusion .



**Question 10.**

Read activity 1.11 and try to do at your home & write the observation with conclusion that you find .

