



Purnima International School

Shree Swaminarayan Gurukul, Zundal

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D a t e		G r a d e	9	R o l l N o .	
S u b j e c t	S c i e n c e			Teacher's Sign	

Worksheet - 01

Chapter 01 Matter in Our Surrounding

1. Which of the following statement is correct?

- (a) boiling is a bulk phenomenon and evaporation is a surface phenomenon
- (b) boiling is a surface phenomenon and evaporation is a bulk phenomenon
- (c) boiling and evaporation both are surface phenomenon
- (d) boiling and surface both are bulk phenomenon

2. If the temperature of a place is increase then evaporation:

- (a) decrease
- (b) increase
- (c) remain same
- (d) none of the above

3. Which of the following have least inter atomic spacing?

- (a) solid
- (b) liquid
- (c) gases
- (d) plasma

4. If you decrease the surface area and increase the temperature, then the rate of evaporation

- (a) increase
- (b) decrease
- (c) remain same
- (d) may increase or decrease depending upon other factors

5. Physical state of water at 25°C , 0°C and 100°C is respectively

- (a) liquid, solid and gas
- (b) solid, liquid and gas
- (c) solid, gas and liquid
- (d) gas, solid and liquid

6. A diver is able to cut through water in a swimming pool. Which property of matter does this observation show?

7. What are the characteristics of the particles of matter?

8. How does the water kept in an earthen pot (matka) become cool during summer?

9. Give two reasons to justify—

(a) water at room temperature is a liquid.

(b) an iron almirah is a solid at room temperature.

10. Match the physical quantities given in column A to their SI units given in column B

Column A	Column B
(a) Pressure	(i) cubic metre
(b) Temperature	(ii) kilogram
(c) Density	(iii) pascal
(d) Mass	(iv) kelvin
(e) Volume	(v) kilogram per cubic metre

9. Name A, B, C, D, E and F in the following diagram showing change in its state.

