



New Trust Science Academy TEST SESSION
Chemistry - 9th

Name-----

Date-----

Test : unit 5,6

Marks:

Q1. Circle the correct option.

1. How many times does H gas diffuse faster than oxygen gas?

- (A) 2 times (B) 3 times (C) 4times (D) 5times

2. Evaporation is the process:

- (A) Exothermic (B) endothermic (C) a & b (D) none

3. Density of liquid is expressed in:

- (A) gdm^3 (B) gcm^3 (C) gdm^{-3} (D) gcm^{-3}

4. Allotropes of oxygen is

- (A) 2 (B) 3 (C) 4 (D) 5

5. Smoke in air is example of solution:

- (A) Gas in gas (B) solid in gas (C) liquid in gases (D) all of these

6. Which one of the following solvent is polar?

- (A) Benzene (B) water (C) ether (D) petrol

7. Solubility of salt decrease with increase temperature?

- (A) KNO_3 (B) NaNO_3 (C) Li_2SO_4 (D) KCl

8. Which one of the following is heterogeneous?

- (A) Milk (B) Ink (C) Milk of magnesia (D) Sugar solution

9. On which factor does evaporation depend?

- (A) Temperature (B) surface area (C) intermolecular force (D) all of these

10. Which one of following solution has less water?

- (A) 0.25M (B) 0.50M (C) 0.60M (D) 2.0M

Q2. Write short answer to any five questions.

1. Define vapour pressure?
2. Define crystalline solid with example?
3. Why are the gases compressible?
4. Why is the boiling point of water higher than that of alcohol?
5. Define Boyle's law?
6. What is absolute zero?

Q3. Write short answer to any five questions.

1. What are differences between true and colloidal solution?
2. Define solubility?
3. How one molar solution is prepared?
4. What is percentage- mass/ volume?
5. What is Tyndall effect and on which factor does it depend?
6. Define a saturated solution and give example?

Q4. Attempt any One question.

- 1(a) Explain true solution, colloid solution and suspension with examples?
(b) Explain boiling point? Also explain factors that affect boiling point?
- 2(a) Explain solute solvent interaction for preparation of solution?
(b) Define and explain Charles's law?

Keep doing well....!