

MODEL ENTRANCE TEST PAPER

PAKISTANI SECTION

SUBJECT: CHEMISTRY

GRADE: 8

TOTAL MARKS: 25

Q.1) Choose the best answer

[6 X 0.5 =3 M]

1) It is the movement of particles of one substance through another.

- a) Evaporation
- b) Diffusion
- c) Crystallization
- d) Filtration

2) Which of the following is an element?

- a) Sodium chloride
- b) Carbon monoxide
- c) Water
- d) Mercury

3) Mass number of an atom is the number of

- a) Protons and neutrons
- b) Protons and electrons
- c) Protons only
- d) Neutrons only

4) Light bulbs are filled with gas

- a) Helium
- b) Neon
- c) Argon
- d) Krypton

5) Electrolysis is the process used to getmetals from their compounds

- a) Highly reactive
- b) Medium reactive
- c) Low reactive
- d) All of the above

6) The formula of sodium hydroxide is

- a) NaCl
- b) Na₂O
- c) Na₂CO₃
- d) NaOH

Q.2) Fill in the blanks with most suitable words

[4 x0.5 =2 M]

1) Limestone is broken by heat in lime Kiln. This reaction is called

2) The reaction between an acid and an alkali is called

3) A hydrocarbon is a compound containing only and

4) Chemists use a kind of short-hand to describe molecules .It's called the

Q.3) Write short answers.

[5 M]

1) Define

- a) Atom
- b) Molecules

2) Differentiate between the terms diatomic and monatomic?

3) Write a word and symbol equation for the reaction between sodium chloride and Hydrochloric acid?

4) Many power station's burn fossil fuels. Can you name 3 fossil fuels?

5) Balance this equation $\text{H}_2 + \text{F}_2 \longrightarrow \text{HF}$

SAMPLE 1