

# Quiz

## Water chemistry

Question 1 : Choose the correct answer

A) In water molecule Oxygen attract electrons more strongly than hydrogen this produce

- 1 ) hydrogen bond    2) Polarity    3) covalent bond    4)Ionic bond

B) Bond between Oxygen and hydrogen in water molecule is

- 1)hydrogen bond    2) Polarity    3) covalent bond    4)Ionic bond

C) Bond between hydrogen Hydrogen Bondatom from water molecule and oxygen atom from another water molecule is

- 1)hydrogen bond    2) Polarity    3) covalent bond    4)Ionic bond

D) Process in which water vapor molecules slow down and join together forming liquid is

- 1) Condensation    2) Vaporization    3) Sublimation    4) precipitation

E) Process in which water molecules become faster and hydrogen bond break is

- 1-Condensation    2) Vaporization    3) Sublimation    4) precipitation

F) Physical or chemical change in water adversely affects human health

- 1) pollution    2) reaction    3) condensation    4) Vaporization

G) All the following are physical properties of water except

- 1) Odor    2) temperature    3)Conductivity    4)turbidity

H) All the following are chemical properties of water except

- 1) Oil content    2)BOD    3)COD    4)PH

I) PH of water = 12 means the water is

1) acidic 2) basic 3) neutral 4) no correct answer

J) Which of the following PH gives soapy taste of water

1)13 2) 7 3) 8 4)11

K) which of the following PH indicates presence of lead element (pb)

1) 2 2)5 3) 9 4)12

L) More ions such as carbonate , bicarbonate , Na ,K ,Ca,Mg in water means

1) high turbidity 2)high conductivity 3)high pollution

M) is measure of clarity properties of water or amount of solids suspended in water

1) Conductivity 2)Turbidity 3)BOD 4)COD

N) Which of the following elements measured in water colorimetrically

1) Oxygen 2)Calcium 3)Phosphours 4)Magnesium

O) COD is abbreviation for

1) Chemical oxygen demand 2)dissolved oxygen 3)biological oxygen demand

P) Which of the following is example of non point source of pollution

1)Oil tanker 2)industrial plants 3) Fertilizers 4)sewage pipes

Q) which of the following is physical method for water treatment

1) Disinfection using UV 2)Oxidation 3)Coagulation

## Question 2

a) Define the following

Point source pollution - Coagulant - Reverse Osmosis

b) Discuss types of Solids contaminates in water and method preferred for removing

c) Discuss flocculation and coagulation process in water treatment

Question 3 : What is meant by hydrological Cycle of water

Question 4 : What is the difference between BOD , COD , DO ?

Question 5 : Water is Universal Solvent , Discuss why ?