

Science Miscellaneous Quiz

Q1. Which among the following is white phosphorus?

- (a) P1
- (b) P6
- (c) P4
- (d) P5

Q2. Alkali metals can -

- (a) Be highly stable at room temperature
- (b) Vaporize at room temperature
- (c) Easily gain electrons
- (d) Easily lose electrons

Q3. What does a catalyst do in a reaction?

- (a) Changes potential energy of reactants
- (b) Changes kinetic energy of reactants
- (c) Changes potential energy of products
- (d) Changes activation energy

Q4. Adding which substance gives green colour to glass?

- (a) Calcium oxide
- (b) Iron oxide
- (c) Chromium oxide
- (d) Manganese oxide

Q5. Which among the following is present inside the nucleus of an atom?

- (a) Protons and Neutrons
- (b) Electrons and Protons
- (c) Neutrons and Electrons
- (d) Neutrons, Protons, Electrons

Q6. What is baking soda?

- (a) Aluminium bicarbonate
- (b) Sodium isolate
- (c) Sodium bicarbonate
- (d) Aluminium sulphate

 **adda247**
test series

**CTET 2019**
PAPER - I

Online Test Series

10 MOCK TESTS

Q7. Which among the following elements is a liquid at room temperature?

- (a) Phosphorus
- (b) Mercury
- (c) Sodium
- (d) Aluminium

Q8. Which among the following is an endothermic reaction?

- (a) Respiration
- (b) Combustion
- (c) Sweating
- (d) Burning of natural gas

Q9. Name the catalyst used in the conversion of milk into curd.

- (a) Pepsin
- (b) Invertase
- (c) Lactase
- (d) Diastase

Q10. _____ fiber is used in making bristles for brushes.

- (a) Kevlar
- (b) Nylon-66
- (c) Terylene
- (d) Lexan

Solutions

S1. Ans.(c)

Sol. The most important form of elemental phosphorus from the perspective of applications and chemical literature is white phosphorus. It consists of tetrahedral P₄ molecules, in which each atom is bound to the other three atoms by a single bond.

S2. Ans.(d)

Sol. Alkali metals have one electron in their outer shell so alkali metal can easily lose electrons.

S3. Ans.(d)

Sol. Catalysis is the increase in the rate of a chemical reaction due to the participation of an additional substance called a catalyst, which is not consumed in the catalyzed reaction and can continue to act repeatedly. Thus, changes activation energy

S4. Ans.(c)

Sol. Chromium oxide is used to create green glass

S5. Ans.(a)

Sol. There are two types of particle in the nucleus of an atom the proton and the neutron

S6. Ans.(c)

Sol. Baking soda is also known as Sodium bicarbonate. It is a chemical compound with the formula NaHCO_3 . It is a salt composed of sodium ions and bicarbonate ions. Sodium bicarbonate is a white solid that is crystalline but often appears as a fine powder

S7. Ans.(b)

Sol. There are two elements that are liquid in room temperature which are Bromine (Br) and Mercury (Hg).

S8. Ans.(c)

Sol. Endothermic process describes a process or reaction in which the system absorbs energy from its surroundings. Sweating is a endothermic reaction

S9. Ans.(c)

Sol. Milk is converted into curd or yogurt by the process of fermentation. Milk consists of globular proteins called casein. The curd forms because of the chemical reaction between the lactic acid bacteria and casein. Thus, lactase is the catalyst used in conversion of milk into curd

S10. Ans.(b)

Sol. Nylon 66 is a type of polyamide or Nylon. It is used in plastic Industries in making bristles for brushes



CTET 2019
PAPER - II

Online Test Series

10 MOCK TESTS



teachersadda.co.in