

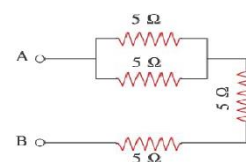


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Grade : X	Subject : Science	Chapter : 1,2,6,12,14
Date : 12 / 07 / 2019	P.T. – 1 Practice Worksheet	

- Which information is not conveyed by a balanced chemical equation?
 - Physical states of reactants and products
 - Symbols and formulae of all the substances involved in a particular reaction
 - Number of atoms/molecules of the reactants and products formed
 - Whether a particular reaction is actually feasible or not
- The electrolytic decomposition of water gives H₂ and O₂ in the ratio of
 - 1 : 2 by volume
 - 2 : 1 by volume
 - 8 : 1 by mass
 - 1 : 2 by mass
- Fatty foods become rancid due to the process of
 - oxidation
 - corrosion
 - reduction
 - hydrogenation
- Silver article turns black when kept in the open for a few days due to formation of
 - H₂S
 - Ag₂S
 - AgSO₄
 - Ag₂S
- In which of the following, heat energy will be evolved?
 - Electrolysis of water
 - Dissolution of NH₄Cl in water
 - Burning of L.P.G.
 - Decomposition of AgBr in the presence of sunlight
- The reaction in which two compound exchange their ions to form two new compounds is called
 - displacement reaction
 - combination reaction
 - double displacement reaction
 - redox reaction
- On immersing an iron nail in CuSO₄ solution for few minutes, you will observe
 - no reaction takes place
 - the colour of solution fades away
 - the surface of iron nails acquire a black coating
 - the colour of solution changes to green
- An element X on exposure to moist air turns reddish-brown and a new compound Y is formed. The substance X and Y are
 - X = Fe, Y = Fe₂O₃
 - X = Ag, Y = Ag₂S
 - X = Cu, Y = CuO
 - X = Al, Y = Al₂O₃
- The nature of calcium phosphate is present in tooth enamel is
 - Basic
 - Amphoteric
 - Acidic
 - Neutral
- Which of the following does not form an acidic salt?
 - Phosphoric acid
 - Carbonic acid
 - Hydrochloric acid
 - Sulphuric acid
- In an electrical appliance, the electric current of 4.8 A is passed, then the number of electrons passing through it in one second will be.....
 - 0.33×10^{19}
 - 3.3×10^{19}
 - 3.0×10^{19}
 - 4.8×10^{19}
- An electric heater consumes 1.1 KW when 220 V voltage applied to it. How much current will be flowing through it?
 - 1.1 A
 - 2.2 A
 - 4.0 A
 - 5 A
- Which is not a unit of Power?
 - J/s
 - Nm/s
 - V/C
 - NOTA
- Resistivity depends on.....
 - Length
 - Area
 - Both (a) and (b)
 - NOTA
- In the following network the equivalent resistance will be.....
 - 2.5 Ω
 - 5.0 Ω
 - 12.5 Ω
 - 20 Ω
- Full form of OTEC is.....
 - Ocean Thermal Energy Conservation.
 - Ocean Thermal Energy Communication.
 - Ocean Thermal Energy Conversion.
 - None of these



17. How much length is required in a conductor of a circular cross section of 1.7 mm^2 and a resistivity of $1.7 \times 10^{-6} \Omega\text{m}$ to attain a resistance of 10Ω .
(a) 10 m (b) 0.1 m (c) 100 cm (d) 100 mm
18. Which of the following is used to generate Nuclear Energy?
(a) Nuclear Fission (b) β – Decay (c) ϕ - Capture (d) NOTA
19. Which method is used to produce electricity in hydroelectric power plant.
(a) By boiling the water to produce steam
(b) By ionizing water
(c) By running dynamo by kinetic energy
(d) Any of the above
20. Which of the following is the ultimate source of energy for us?
(a) Solar (b) Nuclear (c) CNG (d) LPG
21. Which of the following organs is not controlled by autonomous nervous system?
(a) heart (b) uterus (c) glands (d) eyes
22. The substance that triggers the fall of mature leaves and fruits from plants is due to
(a) auxin (b) gibberellins (c) abscissic acid (d) cytokinin
23. In reflex action, the reflex arc is formed by
(a) muscles-receptor-brain
(b) muscles-effector-brain
(c) receptor-spinal cord-muscles
(d) spinal – receptor-muscles
24. The gap between two neuron is known as _____
25. Tropic movements are
(a) in response to light
(b) in response to gravity
(c) uni-directional
(d) non-directional
26. The brain is responsible for
(a) thinking (b) balancing the body. (c) balancing the body. (d) all of the above.
27. Which of the following hormones contains iodine?
(a) adrenaline (b) testosterone (c) thyroxine (d) insulin
28. _____ is the movement of plant part in response to the availability of water.
29. _____ is the reflex centre of the brain.
30. The movement of a plant part in the direction of light is called _____.