

India's Number 1 Education App

CHEMISTRY

BOOKS - SAI CHEMISTRY (TELUGU ENGLISH)

ELECTROCHEMISTRY

МСQ

1. Calculate ΔG° for the following cell reaction.

$$Zn_{(\,s\,)}\, + Ag_2O_{(\,s\,)}\, + H_2O((I))
ightarrow Zn_{aq}^{2\,+}\, + 2Ag(s)\, + 2OH_{(\,aq\,)}^{\,-}$$

$$E_{rac{Ag^+}{Ar}}^{\,\circ}=\,+\,0.80V$$
 and $E_{rac{Zn^{2+}}{Zn}}^{\,\circ}=\,-\,0.76V$

A.
$$-3.5kJ/mol$$

$$B.-301kJ/mol$$

C.
$$305kJ/mol$$

D.
$$301kJ/mol$$

Answer: B



Watch Video Solution

2. The time required for a first order reaction to complete 90% is T.

What is the time required to complete 99% of the same reaction?

- A. 2t
- B. 3t
- C. t
- D. 4t

Answer: A



Watch Video Solution

3. A lead storage battery is discharged. During the charging of this battery, the reaction that occurs at anode is

A.
$$PbSO_4(s) + 2e^-
ightarrow Pb(s) + SO_4^{2-}(aq)$$

B.
$$PbSO_4(s) + 2H_2O(l)
ightarrow PbO_2(s) + SO_4^{2\,-}(aq) + 4H^{\,+} + 2e^{\,-}$$

C.
$$PbSO_4(s)
ightarrow Pb(s) + SO_4^{2-}(aq)$$

D.
$$PbSO_4(s) + 2H_2O(l) + 2e^-
ightarrow PbO_2(s) + SO_4^{2-}(aq) + 2H^+$$

Answer: A



Watch Video Solution

4. For the reaction

If,
$$-rac{\Delta[Br]}{\Delta t}=0.05 mol L^{-1} min^{-1}, \; -rac{\Delta[BrO_3]}{\Delta t}\in mol L^{-1} min^{-1} is$$

 $5Br(aq) + BrO_3^-(aq) + 6H^+(aq)
ightarrow 3Br_3(aq) + 3H_2O(l)$

Answer: D



Watch Video Solution

- **5.** At 298 K molar conductivities at infinite dilution (\wedge_m°) of NH_4Cl , KOH and KCl are 152.8, 272.6 and 149.8 S cm^2mol^{-1} respectively. The \wedge_m° of NH_4OH in Scm^2mol^{-1} and % dissociation of 0.01 M NH_4OH with $\wedge_m = 25.1Scm^2mol^{-1}$ at the same temperature are,
 - A. 275.6,0.91
 - B. 275.6,9.1
 - C. 266.6,9.6
 - D. 30,84

Answer: B



Watch Video Solution

6. In a first order reaction, the concentration of the reactant decrease from 0.6 M to 0.3 M in 15 min. The time taken for the concentration to change from 0.1 M to 0.025 M in minutes is

A. 1.2

B. 12

C. 30

D. 3

Answer: C



Watch Video Solution

7. During the electrolysis of copper sulphate aqueous solution using copper electrode, the reaction taking place at the cathode is

A.
$$Cu
ightarrow Cu^{2\,+\,(\,aq)\,\,+\,2e^{\,-}}$$

B.
$$Cu^{2\,+}(aq)+2e^{\,-}
ightarrow Cu(s)$$

C.
$$H^+(aq) + e^-
ightarrow rac{1}{2} H_2(g)$$

D.
$$SO_4^{2\,-}(aq)
ightarrow SO_3(g)+rac{1}{2}O_2(g)+2e^-$$

Answer: B



Watch Video Solution

- 8. The extent of charge of lead accumulator is determined by
 - A. amount of $PbSO_4$ in the battery
 - B. amount of PbO_2 in the battery
 - C. specific gravity of H_2SO_4 of the battery
 - D. amount of Pb in the battery

Answer: C



Watch Video Solution

9. Which of the following relation is correct for a first order reaction? (k=rate constant, r=rate of reaction , c=conc. Of reactat









Answer: C



10. The emf (in V) of a Daniell cell containing 0.1 M $ZnSO_4$ and 0.01 M

 $CuSO_4$ solutions at their respective electrodes is

$$\left(E_{rac{Cu^{2+}}{Cu}}^{\,\circ}=\ +0.34V, E_{rac{Zn^{2+}}{Zn}}^{\,\circ}=\ -0.76V
ight)$$

A. 1.1

B. 1.16

C. 1.13

D. 1.07

Answer: D



Watch Video Solution

- 11. Which one of the following statements is correct for the reaction?

 $CH_3COOC_2H_5(aq) + NaOH(aq)
ightarrow CH_3COONa(aq) + C_2H_5OH(aq)$

- A. Order is two but molecularity is one
 - B. Order is one but molecularity is two
 - C. Order is one but molecularity is one
 - D. Order is two but molecularity is two



Answer: D

Watch Video Solution

12. Match the following lists.

A. a(III) b(I) c(II) d(V)

B. a(II) b(V) c(I) d(IV)

C. a(III) b(IV) c(I) d(II)

D. a(V) b(I) c(IV) d(II)

Answer: C



View Text Solution

13. If the values of $\ \wedge_{\infty} \$ of $NH_4Cl, NaOH$ and NaCl are 130, 217 and

 $ohm^{-1}cm^2\equiv^{-1}$ respectively, the \wedge_∞ of

 $NH_4OH \in ohm^{-1}cm^2 \equiv^{-1}$ is

A. 238

B. 196

C. 22

D. 456

Answer: A



Watch Video Solution

14. A solution of concentration C g equiv/L, has a specific resistance R.

The equivalent conductance of the solution is

A. $\frac{R}{C}$ B. $\frac{C}{R}$

 $\mathsf{C.}\;\frac{1000}{RC}$

D. $\frac{1000R}{C}$

Answer: C



Watch Video Solution

15. What is the slope of the straight line for the graph drawn between lnk and y, where k is the rate constant of a reaction at temperature T?

A.
$$-rac{E_a}{2.303R}$$

B.
$$\frac{-E_a}{R}$$

C.
$$\frac{E_a}{R}$$

D.
$$\frac{R}{E_a}$$

Answer: B



Watch Video Solution

16. At a certain temperature and at infinite dilution, the equivalent conductances of sodium benzoate, hydrochloric acid and sodium chloride are 240, 349 and 229 $ohm^{-1}cm^2\equiv^{-1}$ respectively. The

equivalent conductance of benzoic acid in $ohm^{-1}cm^2\equiv^{-1}$ at the same conditions is

A. 80

B. 328

C. 360

D. 408

Answer: C



17. For the following cell reaction,

$$Agig|Ag^+ig|AgClig|Cl^-ig|Cl_2,Pt$$

$$\Delta G_f^0(AgCl) = -109kJ/mol$$
 $\Delta G_f^0(Cl) = -129kJ/mol$

$$\Delta G_f^0ig(Ag^+ig)=78kJ/mol$$

 $E^{\,\circ}\,$ of the cell is

- A. -0.60 V
- B. 0.60 V
- C. 6.0 V
- D. None of these

Answer: A



Watch Video Solution

18. At 25°C the molar conductances at infinite dilution for the strong electrolytes NaOH, NaCl and $BaCl_2$ are $248\times 10^{-4}, 126\times 10^{-4}$ and $280\times 10^{-4}Sm^2mol^{-1}$ respectively, $\lambda_m^oBa(OH)_2$ in Sm^2mol^{-1} is

A.
$$52.4 imes10^{-4}$$

B.
$$524 imes 10^{-4}$$

$$\mathsf{C.}\,402 imes 10^{-4}$$

D.
$$262 imes 10^{-4}$$

Answer: B



Watch Video Solution

19. For a first order reaction at 27° C, the ratio of time required for 75% completion to 25% completion of reaction is

- A. 3
- B. 2.303
- C. 4.8
- D. 0.477

Answer: C



Watch Video Solution

20. When same quantity of electricity is passed through aqueous

 $AgNO_3$ and H_2SO_4 solutions connected in series, $5.04 imes 10^{-2}$ g of H_2

is liberated. What is the mass of silver (in grams) deposited? (Eq. wts. of hydrogen =1.008, silver =108)

A. 54

B. 0.54

C. 5.4

D. 10.8

Answer: C



21. When electric current is passed through acidified water for 1930s, 1120 mL of H_2 gas is collected (at STP) at the cathode. What is the current passed in ampere?

A. 0.05

B. 0.5

D. 50

Answer: C



Watch Video Solution

22. Calculate the emf of the cell

 $Cu(s)ig|Cu^{2\,+}(aq)ig|ig|Ag^{\,+}(aq)ig|Ag(s)$

Given,

$$E_{\left(Cu^{2+} \,
ight) \, / \, \left(Cu \,
ight)} \, = \, + \, 0.34V, E_{\left(Ag^{+} \,
ight) \, / \, \left(Ag \,
ight)} \, = \, 0.80V$$

A. + 0.46V

0.401

B. +1.14V

C. + 0.57V

D. -0.46V

Answer: A

23. The standard reduction potentials of

 $Zn^{2\,+}\,/\,Zn,\,Cu^{2\,+}\,/\,Cu\,$ and $\,Ag^{\,+}\,/\,Ag\,$ are respectively -0.78, 0.34 and

0.8 V. The following cells were constructed:

(1)
$$Znig|Zn^{2+}ig|ig|Cu^{2+}ig|Cu$$

(2)
$$Znig|Zn^{2+}ig|\mid Ag^+ig|Ag$$

(3)
$$Cu|Cu^{2+}| \mid Ag^+|Ag|$$

What is the correct order of of these cells?

B.
$$2 > 1 > 3$$

Answer: B



Watch Video Solution

24. What is the time (in sec) required for depositing all the silver present in 125 mL of 1M $AgNO_3$ solution by passing a current of 241.25 A?

A. 10

B. 50

C. 1000

D. 100

Answer: B



Watch Video Solution

25. Assertion (A) : A current of 96.5 A is passed into aqueous $AgNO_3$ solution for 100s. The weight of silver deposited is 10.8g (at. wt. of Ag =108).

Reason (R): The mass of a substance deposited during the electrolysis

of an electrolyte is inversely proportional to the quantity of electricity passing through the electrolyte.

The correct answer is

(A)

A. Both (A) and (R) are true and (R) is the correct explanation of (A)

B. Both (A) and (R) are true and (R) is not the correct explanation of

C. (A) is true but (R) is false

D. (A) is false but (R) is true

Answer: C



26. Which of the following is not correct?

A. Aqueous solution of NaCl is an electrolyte

B. The units of electrochemical equivalent are g-C

C. In the Nernst equation, n represents the number of electrons

transferred in the electrode reaction

D. Standard reduction potential of hydrogen electrode is zero volt

Answer: B



Watch Video Solution

27. The electrochemical equivalent of a metal is 'x' $g-C^{-1}$,The equivalent weight of metal is

A. x

 $B. x \times 96500$

c. $\frac{x}{96500}$

D. $1.6 imes 10^{-19} x$

Answer: B



Watch Video Solution

28. When X amperes of current is passed through molten for 96.5s, 0.09 g of aluminium is deposited. What is the value of X?

A. 10A

B. 20A

C. 30A

D. 40A

Answer: A



Watch Video Solution

29. What is the reduction electrode potential (in volts) of copper electrode, when $\left[Cu^{2\,+}\right]$ = 0.01 M is in a solution at $25\,^\circ$ C?

($E^{\,\circ}$ of $Cu^{2\,+}$ / Cu electrode is + 0.34 V.)

A. 0.3991

B. 0.2809

C. 0.3105

D. 0.3695

Answer: B



Watch Video Solution

30. 0.066 g of metal was deposited, when a current of 2 A is passed through a metal ion solution for 100s. What is the electrochemical equivalent (in $g-C^{-1}$) of the metal?

A. $3.3 imes 10^{-6}$

 $\texttt{B.}\,3.3\times10^{-4}$

C. 0.033

D. 3.3

Answer: B

31. During the electrolytic reduction of alumina, the reaction at cathode is

A.
$$2H_2O
ightarrow O_2+4H^++4e^-$$

B.
$$3F^-
ightarrow3F+3e^-$$

C.
$$Al^{3\,+} + 3e^-
ightarrow Al$$

D.
$$2H^{\,+}\,+2e^{\,-}\,
ightarrow\,H_2$$

Answer: C



Watch Video Solution

32. One ampere of current is passed for 9650s through molten $AlCl_3$.

What is the weight, in gram, of Al deposited at cathode?(atomic weight of Al =27)

- A. 0.9
- B. 9
- C. 0.09
 - D. 90

Answer: A



Watch Video Solution

reaction occuring at anode is

A. $2Cl^-
ightarrow Cl_2(g) + 2e^-$

33. Molten $CuCl_2$ is electrolysed using platinum electrodes. The

- B. $Cl_2(g) + 2e^- \rightarrow 2Cl$
- C. $Cu^{2+} + 2e^-
 ightarrow Cu(s)$
- D. $Cu(s)
 ightarrow Cu^{2+} + 2e^-$

Answer: A

34. What is the approximate quantity of electricity (in coulomb) required to deposit all the silver from 250 mL of 1 M $AgNO_3$ aqueous solution?

A. 96500

B. 24125

C. 48250

D. 12062.5

Answer: B



Watch Video Solution

35. The units of electrochemical equilvalent are

A. gC

B.
$$gamp^{-1}s^{-1}$$

C.
$$gamps^{-1}$$

D.
$$amp^{-1}s$$

Answer: B



Watch Video Solution

36. The cell reaction of a cell is

$$Mg(s)+Cu^{2+}(aq)
ightarrow Cu(s)+Mg^{2+}(aq)$$

and +2.38 V respectively, the emf of the cell is

If the standard reduction potentials of magensium and copper are -0.33

Answer: C



Watch Video Solution

37. Which one of the following metals will not reduce H_2O ?

A. Ca

B. Fe

C. Cu

D. Li

Answer: C



Watch Video Solution

38. In the electrochemical cell

 $H_2(g)1atmig|1H^+(lm)ig|ig|Cu^{2\,+}(IM)ig|Cu(s)$

Which one of the following statements is true?

- A. H_2 is cathode, Cu is anode
- B. Oxidation occurs at Cu electrode
- C. Reduction occurs at \mathcal{H}_2 electrode
- D. H_2 is anode, Cu is cathode

Answer: D



Watch Video Solution

39. On passing a current through a KCl solution, 19.5g of potassium is deposited. If the same quantity of electricity is passed through a solution of aluminium chloride, the amount of aluminium deposited is

- A. 4.5g
- B. 9.0g
- C. 13.5g
- D. 27g

Answer: A



Watch Video Solution

40. The reaction taking place at the anode, when an aqueous solution of $CuSO_4$ is electrolysed using inert Pt electrode, is

A.
$$2SO_4^{2-}
ightarrow S_2O_4^{2-}+2e^-$$

B.
$$Cu^{2+} + 2e^-
ightarrow Cu$$

C.
$$2H_2O
ightarrow O_2+4H^++4e^-$$

D.
$$2H^{\,+}\,+2e^{\,-}\,
ightarrow\,H_2$$

Answer: C



Watch Video Solution

41. The standard reduction potentials at 298 K for the following half cell reactions are given below

 $C. H_2(g)$

Answer: A

D. Fe^{2+} (ag)

 $Zn^{2+}(aq) + 2e^-
ightarrow Zn(s) - 0.762$

 $Cr^{3+}(aq) + 3e^{-} \rightarrow Cr(s) - 0.740$

 $2H^{+}(aq) + 2e^{-}
ightarrow H_{2}(q) - 0.000$

 $Fe^{3+}(aq) + e^{-} \rightarrow Fe^{3+}(aq) - 0.770$

Which one is the strongest reducing agent?

Watch Video Solution

42. When Zn metal is added to $CuSO_4$ solution, Cu is precipitated, it is due to

A. Oxidation of Cu^{2+}

B. Reduction of Cu^{2+}

C. Hydrolysis of $CuSO_4$

D. Ionisation of $CuSO_4$

Answer: B



Watch Video Solution

the half reaction.

43. Which of the following alkali metals has the greatest tendency for

 $M(g)
ightarrow M^+(g) + e^-$?

A. Sodium

B. Lithium

C. Potassium

D. Cesium

Answer: B

44. When a copper wire is dipped in aqueous $AgNO_3$ solution, the solution turns blue. The reason for this is

- A. Oxidation of silver
- B. Reduction of copper
- C. Oxidation of copper
- D. Reduction of silver

Answer: C



Watch Video Solution

45. How many grams of copper would be deposited, if 3.00 A of current is passed through a solution of $CuSO_4$ for 4h? (At. wt. of Cu = 63.54)

A. 7.11

| B. 14.22 |
|--|
| C. 2844 |
| D. 56.88 |
| Answer: B |
| Watch Video Solution |
| |
| 46. The metal that has the highest electrical conductivity is |
| A. Al |
| B. Cu |
| C. Ag |
| D. Au |
| |
| Answer: C |
| Watch Video Solution |
| |

47. How many grams of copper will be deposited from a solution of

 $CuSO_4$ by passing 0.5 F of electricity?

- A. 31.75
- B. 63.5
- C. 15.875
- D. 127

Answer: C



Watch Video Solution

48. The single electrode reactions,

 $Cd(s) o Cd^{2\,+}(0.1) + 2e^{\,-}, E^{\,\circ} = 0.4030$

 $Cu^{2+} + 2e^- o Cu(s), E^\circ = 0.337$

can be combined to give the cell reaction, $Cd(s) + Cu^{2+}
ightarrow Cu(s)$

The emf of the cell is

A. 0.74 B. 0.1354 C. 0.66 D. 0.066 **Answer: A Watch Video Solution 49.** When dilute H_2SO_4 is electrolysed at room temperature between platinum electrodes, the substance liberated at the anode is A. S B. SO_2 $\mathsf{C}.\,H_2$ D. O_2 Answer: D

50. When 9.65 C of electricity is passed through a solution of $AgNO_3$ (atomic weight of silver 108), the amount of silver deposited is

- A. 10.8mg
- B. 5.4mg
- C. 16.2mg
- D. 21.2mg

Answer: A



Watch Video Solution

51. Three faradays of electricity was passed through an aqueous solution of iron (II) bromide. The weight of iron metal (at.wt. = 56) deposited at the cathode is (in grams)

- A. 56
- B. 56
- C. 56
- D. 168

Answer: B



Watch Video Solution

52. For a reversible reaction $A\leftrightarrow B$, which one of the following statements is wrong from the given energy Reaction coordinate



- A. Activation energy of forward reaction is greater than backward reaction
- B. The forward reaction is endothermic
- C. The threshold energy is less than that of activation energy

D. The energy of activation of forward reaction is equal to the sum of heat of reaction and the energy of activation of backward reaction.

Answer: C



View Text Solution

53. The rate constant of a first order reaction at $27^{\circ}C$ is $10^{-3}min^{-1}$.

The temperature coefficient of this reaction is 2. What is the rate constant (in \min^{-1}) at $17^{\circ}C$ for this reaction?

- A. 10^{-3}
- $\text{B.}\,5\times10^{-4}$
- C. $2 imes 10^{-3}$
- D. $2 imes 10^{-3}$

Answer: B

54. Observe the following reaction:

$$2A+B o C$$

The rate of formation of C is $2.2 imes 10^3 \ ext{mol}\ L^{-1}\ \min^{-1}$.What is the value

$$-rac{d(A)}{dt}ig(ext{in} \ \ mol L^{-1}min^{-1}ig)$$

A.
$$2.2 imes I0^{-3}$$

B.
$$1.1 \times 10^{-3}$$

C.
$$4.4x10^{-3}$$

D.
$$5.5 imes 10^{-3}$$

Answer: C



Watch Video Solution

55. ____of a reaction cannot be determined experimentally.

A. Order

B. Order

C. Rate constant

D. Molecularity

Answer: D



Watch Video Solution

56. Which one of the following equations is correct for the reaction

$$N_2(g)+3H_2(g)
ightarrow 2NH_3(g)$$
?

A.
$$3rac{d[NH_3]}{dt}=2rac{d[H_2]}{dt}$$

$$\mathsf{B.}\,2\frac{d[NH_3]}{dt}=3\frac{d[H_2]}{dt}$$

$${\rm C.}\, 3 \frac{d[NH_3]}{dt} = \, -\, 2 \frac{d[H_2]}{dt}$$

D.
$$3rac{d[NH_3]}{dt}= \ -2rac{d[H_2]}{dt}$$

Answer: D

57. Consider the following reaction:

(in units of $mol L^{-1} s^{-1}$) at the same temeprature.

$$N_2(g)+3H_2(g) o 2NH_3(g)$$
 the rate of this reaction in terms of N_2 at T K is $=rac{-d[N_2]}{dt}=0.02molL^{-1}s^{-1}.$ What is the value of $rac{-d[N_2]}{dt}$

A. 0.02

B. 50

C. 0.06

D. 0.04

Answer: D



58. One mole of A (g) is heated to 200° C in a one litre closed flask, till the following equilibrium is reached.

$$A(g) \leftrightarrow B(g)$$

The rate of forward reaction, at equilibrium, is 0.02 $molL^{-1}min^{-1}$. What is the rate (in $molL^{-1}min^{-1}$) of the backward reaction at equilibrium?

- A. 0.04
- B. 0.01
- C. 0.02
- D. 1

Answer: C



59. Equilibrium constant for the reaction, $H_2O(g)+CO(g)$ is 81. If the velocity constant of the forward reaction is 162 L mol $s^{\,-\,1}$, what is the velocity constant (in $mols^{-1}$) for the backward reaction?

- A. 13122
- B. 2
- C. 261
- D. 243

Answer: B



Watch Video Solution

60. Consider the following reaction:

 $A o \mathsf{Products}$

This reaction is completed in 100 min.

The rate constant of this reaction at $t_1=10~{
m min}$, is $10^{-2}min^{-1}.$ What is the rate constant $\left({
m in} \ \ min^{-1}
ight)$ at $t_2 = 20 \ {
m min}$?

A.
$$2 imes 10^{-2}$$

 $B. 10^{-2}$

C. $5 imes 10^{-3}$

D. 0.1

Answer: B



Watch Video Solution

61. The half-life of a first order reaction is 10s. What is its rate constant $(in s^{-1})$?

A. 0.0693

B. 0.693

C. 6.93

| D. | 69.3 |
|----|------|
| | |

Answer: A



Watch Video Solution

62. 75% of a first order reaction is completed in 32 min. 50% of the reaction would have been completed in

- A. 24min
- B. 16min
- C. 18min
- D. 24min

Answer: B



63. The ΔH value for the reaction,

$$H_2 + C l_2
ightarrow 2 H C l$$
 is - 44.12 Kcal

If E_1 is the activation energy of the reactants and E, is the activation energy of the products, for the above reaction.

- A. $E_1>E_2$
- B. $E_1 < E_2$
- C. $E_1=E_2$
- D. ΔH is not related to E_1 or E_2

Answer: B



Watch Video Solution

64. In the equilibrium reaction,

$$A + B \leftrightarrow C + D$$

The activation energy for the forward reaction is 25 kcal mol^{-1} and

that of the backward reaction is 15 kcal mol^{-1} . Which one of the following statements is correct?

A. It is an exothermic proces

B. It is an endothemic process

C. It is a reaction for which $\Delta H=0$

D. It is a reaction for which $\Delta H=0$

Answer: B



Watch Video Solution

65. With respect to the figure given, which of the following statements is correct?





A. ΔE for forward reaction is C - B

B. ΔE for the forward reaction is B - A

 $\mathsf{C}.\,E_{\mathrm{forward}} > E_{backward}$

D. ΔE for reverse reaction is C - A

Answer: B



View Text Solution

66. The rate of a reaction, $2A+3B+4C
ightarrow \,$ products, is equal to

 $R = [A]^2 [B]^3 [C]^4$. The overall order of the reaction is

A. 9

B. 5

C. 5

D. 3

Answer: A



67. For a reaction $A+B \rightarrow Products$, the rate of the reaction was doubled, when concentration of-A was doubled. When the concentration of A and B were doubled, the rate was again doubled.

The order of the reaction with respect to A and B are respectively.

- A. 1,1
- B. 2,0
- C. 1,0
- D. 0,1

Answer: C



Watch Video Solution

68. The unit of rate of first order reaction is

- A. s^{-1}
- B. s^{-1}

C. $mol L^{-1} s^{-1}$

D. No units

Answer: C



Watch Video Solution

69. The time tor half - life of a first order reaction is 1 h. What is the time taken for 87.5% completion of the reaction?

A. Ih

B. 3h

C. 2h

D. 4h

Answer: C



70. If a reaction obeys the following equation

$$k = rac{2.303}{t} \mathrm{log}_{10} igg(rac{a}{a-x}igg)$$
 , the order of the reaction will be

A. Zero order

B. Second order

C. First order

D. Third order

Answer: B



71. The rate of reaction is generally doubled for rise in temperature.

A. $20^{\,\circ}\,C$

B. $10^{\circ}\,C$

C. $100\,^{\circ}\,C$

D. None of the above

Answer: B

