

Chemistry Important MCQs

Class 9 Chapter 7

1. Loss of electrons is termed as ____

- A. Reduction
- B. Hydrogenation
- C. Oxidation**
- D. None of these

ANSWER: C. Oxidation

2. Gain of electrons is characterized as ____

- A. Oxidation
- B. Reduction**
- C. Both
- D. None

ANSWER: B. Reduction

3. The gain of oxygen atoms is defined as ____

- A. Oxidation**
- B. Reduction
- C. Both
- D. None

ANSWER: A. Oxidation

4. Burning is an example of ____

A. Oxidation

B. Reduction

C. Both

D. None

ANSWER: A. Oxidation

5. The main component of photographic film is ____

A. AgCl

B. AgF

C. AgC

D. AgBr

ANSWER: D. AgBr

6. The apparent charge on an atom in a molecule is ____

A. Concentration

B. Polarizability

C. Oxidation state

D. All of these

ANSWER: C. Oxidation state

7. Increase in oxidation number is termed as ____

A. Oxidation

B. Reduction

C. Both

D. None

ANSWER: A. Oxidation

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8. Decrease in oxidation number is characterized as ____

A. Oxidation

B. Reduction

C. Both

D. None

ANSWER: B. Reduction

9. Oxidation state of an element in a free state is ____

A. Infinity

B. Zero

C. Any value

D. All the possibilities exist

ANSWER: B. Zero

10. Oxidation state of Na in NaCl is ____

A. +2

B. +6

C. +1

D. -1

ANSWER: C. +1

11. Oxidation number of group 1 metal hydrides is ____

A. +2

B. +6

C. +1

D. -1

ANSWER: D. -1

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12. Oxidation state of O in OF₂ (Oxygen difluoride) is ____

A. +2

B. +6

C. +1

D. -1

ANSWER: A. +2

13. Oxidizing agents itself gets ____

A. Oxidized

B. Reduced

C. Both

D. None

ANSWER: B .Reduced

14. In NaCl the element Na is ____

A. Oxidizing agent

B. Reducing agent

C. Polarizing agent

D. All of these

ANSWER: B. Reducing agent

15. An electrolyte becomes a conductor in ____ state

A. Aqueous solution

B. Molten

C. Both of these

D. None of these

ANSWER: C. Both of these

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16. Electrical energy is used by ____

- A. Galvanic cell
- B. Dry cell
- C. Battery

D. Electrolytic cell

ANSWER: D. Electrolytic cell

17. Cathode is ____ charged

A. Positively

B. Negatively

C. Neutral

D. None

ANSWER: B. Negatively

18. Anode is ____ charged

A. Positively

B. Negatively

C. Neutral

D. None

ANSWER: A. Positively

19. Cations move towards ____

A. Anode

B. Don't move

C. Cathode

D. All of these

ANSWER: C. Cathode

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20. Anions move towards ____

A. Anode

B. Don't move

C. Cathode

D. All of these

ANSWER: A. Anode

21. Oxidation occurs at ____

A. Cathode

B. Solution

C. Anode

D. None of these

ANSWER: C. Anode

22. Reduction occurs at ____

A. Cathode

B. Solution

C. Anode

D. None of these

ANSWER: A. Cathode

23. Sodium metal is commercially produced by ____

A. Galvanic cell

B. Dry cell

C. Down cell

D. All of these

ANSWER: C. Down cell

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24. Sodium Hydroxide is produced by ____

- A. Galvanic cell
- B. Dry cell
- C. Down cell

D. Nelson cell

ANSWER: D. Nelson cell

25. Purification of copper is done by ____

- A. Galvanic cell

B. Electrolytic cell

- C. Down cell
- D. Nelson cell

ANSWER: B. Electrolytic cell

26. Galvanic cell used ____ and ____ electrodes

- A. Cu, Cr
- B. H, Hg
- C. Cu, Zn**
- D. W, Sb

ANSWER: C. Cu, Zn

27. Salt bridge contains which electrolyte ____

- A. CCl₄
- B. CHCl₃
- C. KCl**
- D. H₂SO₄

ANSWER: C. KCl

28. Daniel cell consists of ___ half cells

A. 3

B. 7

C. 9

D. 2

ANSWER: D. 2

29. In dry cell cathode is made of ___

A. Bucky ball

B. Diamond

C. Graphite

D. All of these

ANSWER: C. Graphite

30. Oxidation number of Cu increases from 0 to +2 process is ____

A. Reduction

B. Oxidation

C. Polarization

D. All of these

ANSWER: B. Oxidation

31. Anions are formed by _____

A. Reduction

B. Oxidation

C. Polarization

D. All of these

ANSWER: A. Reduction

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32. Gain of hydrogen is termed as ____

A. Reduction

B. Oxidation

C. Polarization

D. All of these

ANSWER: A. Reduction

33. Oxidation state of S in S₈ is ____

A. 1

B. 2

C. 3

D. 0

ANSWER: D. 0

34. Oxidation state of CO₂ is ____

A. 5

B. 4

C. 3

D. 0

ANSWER: D. 0

35. Oxidation state of Cr in K₂Cr₂O₇ is ____

A. -2

B. -6

C. +6

D. +3

ANSWER: C. +6

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36. Process to deposit one metal on another is ____

A. Electrolysis

B. Galvanism

C. Electroplating

D. All of these

ANSWER: C. Electroplating

37. Perfect conditions for electroplating include ____

A. High current

B. Low temperature

C. High concentration

D. All of these

ANSWER: D. All of these

38. ____ ions are extremely toxic

A. Sulphides

B. Chlorides

C. Cyanides

D. None of these

ANSWER: C. Cyanides

39. Chemically rust is ____

A. Fe

B. Cr

C. Fe₂O₃

D. Cr₂O₇

ANSWER: C. Fe₂O₃

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40. The metal which needs to be protected is made ____

A. Anode

B. Cathode

C. Solution

D. None of these

ANSWER: B. Cathode
