21. Zn(s)/Zn+2(aq) 1M | | Cu+2(aq) 1M/Cu(s) is representation of reaction in

A. Daniel cell
B. Downs cell
C. Voltaic cell
D. Nelsons cell

Answer: Option **C**

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22. Salt bridge transfers

A. electrons
B. anion
C. current
D. ions

Answer: Option **D**

---

23. Voltaic cell can be recharged by

A. by addition of fresh solution
B. by replacing external circuit with external source of electricity
C. by removal of solution
D. by heating it

Answer: Option **B**

---

24. E0red of an element cab be calculated by comparing it with

A. New electrode of same element
B. SHE
C. 1M solution of ions of respective element
D. 2M solution of HCI

Answer: Option **B**

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25. Temperature for the measurement of standard electrode potential is

A. 298K
B. 300K
C. 30?C
D. 310K

Answer: Option **A**

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26. H2 gas in SHE is filled at pressure of

A. 760mm of Hg
B. 750mm of Hg
C. 780mm of Hg
D. 800mm of Hg

Answer: Option A

27. Potential of SHE is considered as

A. zero
B. unity
C. constant
D. multiple of 1

Answer: Option A

28. Chemical used in salt bridge is

A. KOH
B. KCI
C. KNO3
D. KBr

Answer: Option B

29. Electrode potential of Zn is

A. oxidation
B. reduction
C. oxidation-reduction
D. depends on the nature of the coupled electrode

Answer: Option D

30. List of elements based on hydrogen scale is called

A. periodic table
B. groups
C. periods
D. electrochemical series

Answer: Option D

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