
36. When 0.5 mole of phosphoric acid is dissolved in aqueous solution how many moles of -ve and +ve ions are collected altogether?

- [A.](#) 0.5 [B.](#) 1
[C.](#) 1.5 [D.](#) 2

Answer: Option D

37. For which of the following compounds the term empirical formula cannot be applied?

- [A.](#) NaCl [B.](#) H₂O
[C.](#) CCl₄ [D.](#) It can be applied to all mentioned above

Answer: Option D

38. Dempsters mass spectrometer has number of zones / parts

- [A.](#) 5 [B.](#) 4
[C.](#) 3 [D.](#) 2

Answer: Option A

39. The properties of an element mosly corresponds to that isotope which has greater

- [A.](#) Mass number [B.](#) Atomic mass
[C.](#) Relative abundance [D.](#) all of the above

Answer: Option c

40. 1 a.m.u =

- [A.](#) 1.6×10^{-27} kg [B.](#) 1.6×10^{-24} kg
[C.](#) 1.6×10^{-26} kg [D.](#) 1.6×10^{-28} kg

Answer: Option A

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