

Chemistry Worksheet on Chapter 9 Coordination Compounds -Set 1

Q-1: In the complex [M(acac)(en)_z]CI, the coordination number and oxidation state of the element "M" are respectively

- a) 6 and 2
- b) 4 and 2
- c) 4 and 3
- d) 6 and 3

Q-2: An example of double salt is

- a) Carnallite
- b) Potassium Ferricyanide
- c) Cuprammonium nitrate
- d) triglycinatocobalt(III)

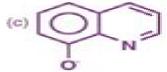
Q-3: The characteristics shared by the species CN', CO, and NO' are

- a) Isoelectronic
- b) Bond order three
- c) All are sigma donor and pi acceptor.
- d) All of these

Q-4: Which of the following is a didentate ligand?



- (a) P(OPh)₃
- (b) NH₂NH₂



(d) None of these

Q-5: Which of the following cannot act as a chelating agent?

- a) HC(CH₂CH₂NH₂)₃
- b) CH3NHCH2CH2CH3

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LL Leslie

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