

Homework 4/16/08:

Give a formula for each of the following coordination compounds or complexes.

1. Sodium tetrabromodithiocyanatoferrate (III)
2. Bis(dipyridyl)(1,10-phenanthroline)ruthenium (2+) chloride (*use abbreviations for ligands in formula*)
3. Tetraamminehydroxiodocobalt (II)
4. Potassium tetraoxomanganate (VII) (*any idea what the "common" name of this chemical is?*)
5. Pentaamminechlororuthenium (2+) tetrafluoroborate
6. Tetraamminediaquaruthenium (II)
7. Sodium hexacyanoferrate (III) (*also known as "sodium ferricyanide," or "yellow prussiate of soda."*)
8. *cis*-diamminedichloroplatinate (II) (*the chemotherapy agent "cisplatin."*)
9. Dichlorobis(triphenylphosphane)rhodium (II)
10. Dinitritotetrakis(4-methylpyridine)nickel (II)