Introduction to Organometallic Chemistry
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IX) Questions based on applications of organometallic chemistry

38. Asymmetric Catalysis
39. Medicinal applications of organometallic complexes
40. Special Properties and Applications

1. What aspects of organometallic compounds make them specially suitable for tailoring optical and electrochemical properties?
2. What makes asymmetric catalysis with organometallic complexes, rather than coordination complexes, easier?
3. Why are there very few "chiral at metal" organometallic catalysts? What are the difficulties in such systems?
4. Organometallic complexes containing poisonous CO as one of the ligands are used for biological imaging. Is this safe? If so, under what conditions can they be used?
5. Identify the *in vivo* reaction / reagent responsible for converting inorganic mercury to $MeHg^+$