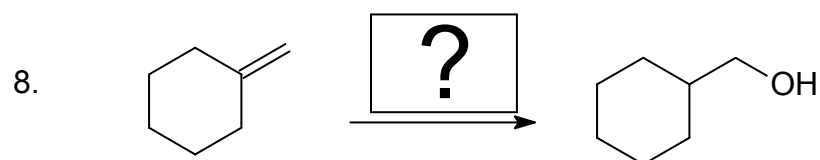
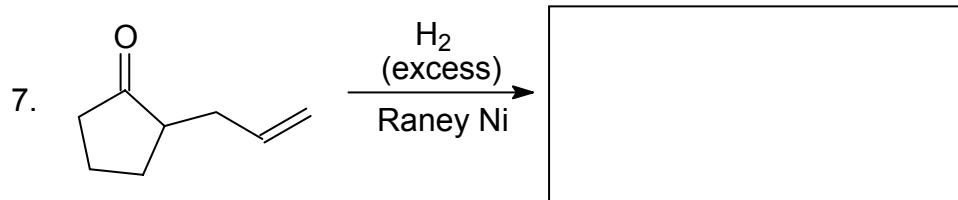
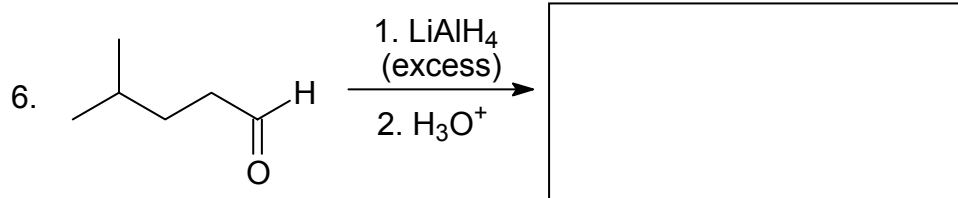
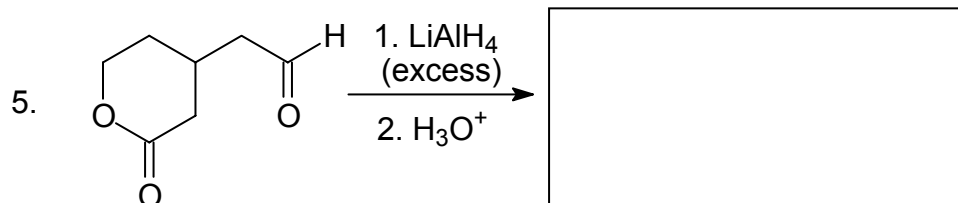
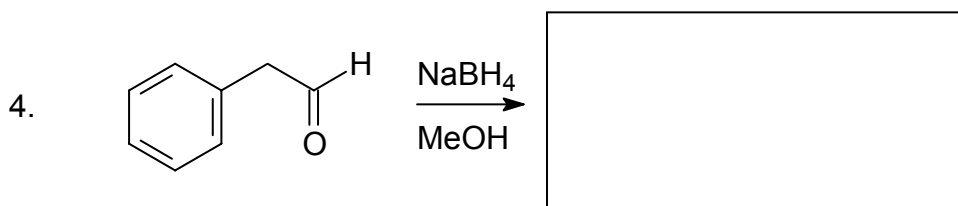
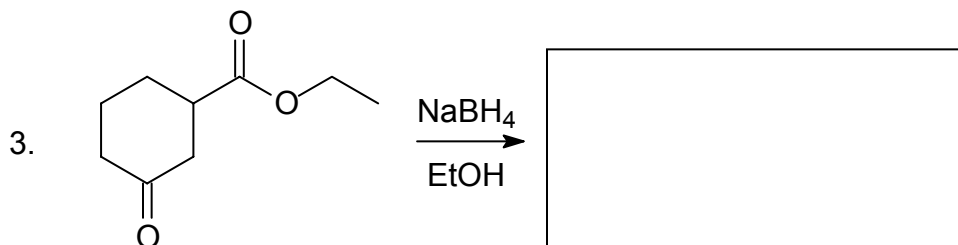


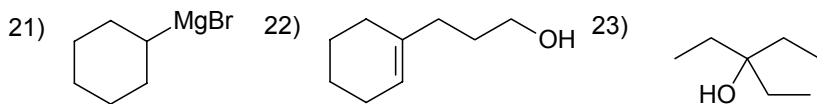
Complement to Chapters 10 and 11

1. _____ is dissolved in water to make solution sold commercially as rubbing alcohol.

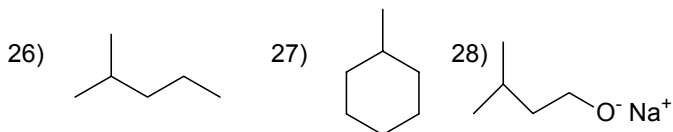
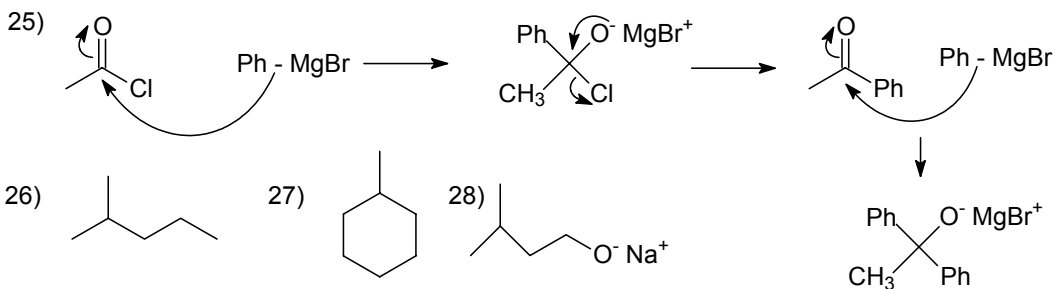
2. _____ commonly used in automobile antifreezes, is a diol which is highly toxic if ingested.



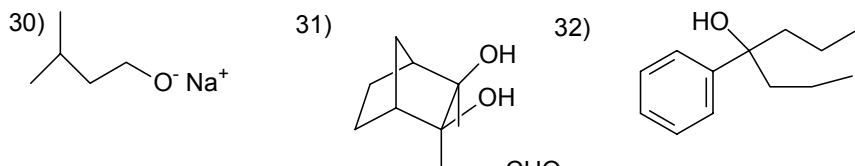
Answers to questions 21 through 40:



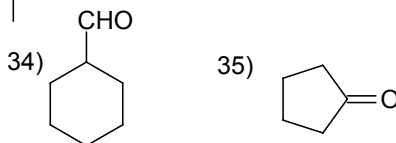
24) One cannot form a Grignard reagent due to the acidity of the thiol proton (-SH group).



29) $(\text{CH}_3)_3\text{COH} < (\text{CH}_3)_3\text{CCH}_2\text{OH} < (\text{CH}_3)_2\text{CHCH}_2\text{CH}_2\text{OH} < \text{CH}_3(\text{CH}_2)_4\text{OH}$



33) 1. Mg, 2. ethylene oxide, 3. H_3O^+



36) No reaction.
tertiary alcohols are not oxidized by PCC.

