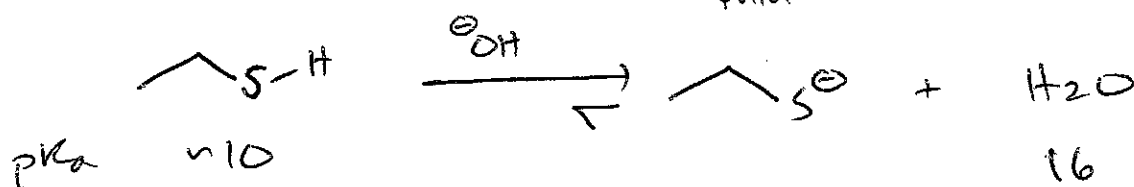
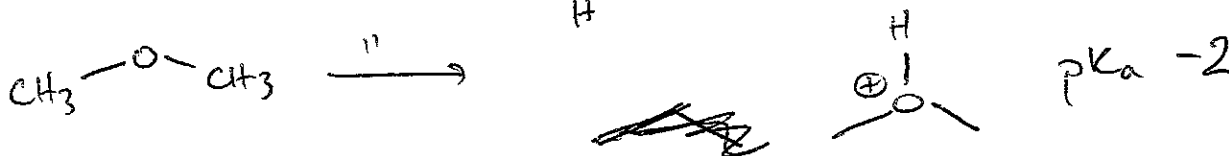
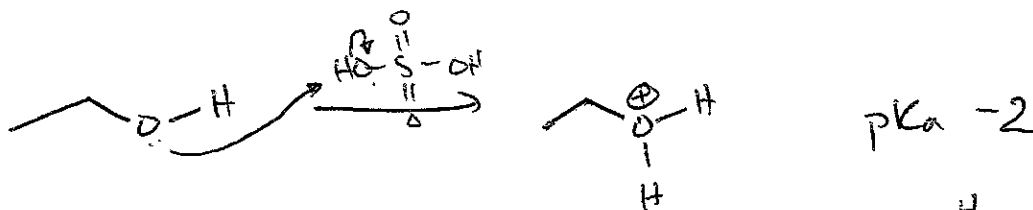
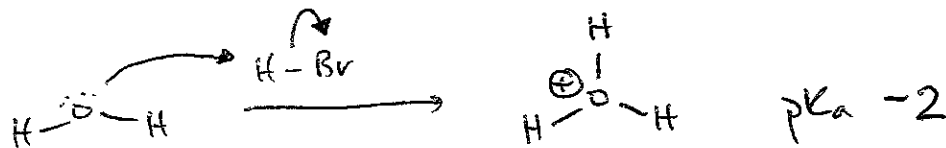


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Thiols ethanethiol

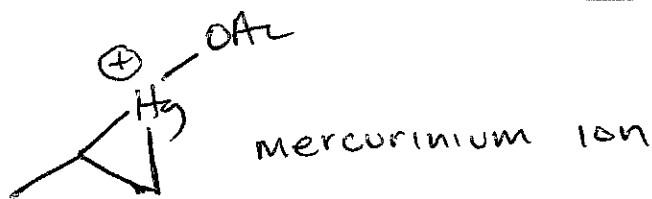
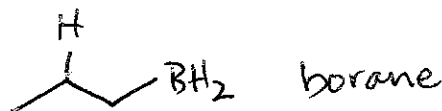


• Thiols more acidic due to polarizability of sulfur (compared to oxygen)



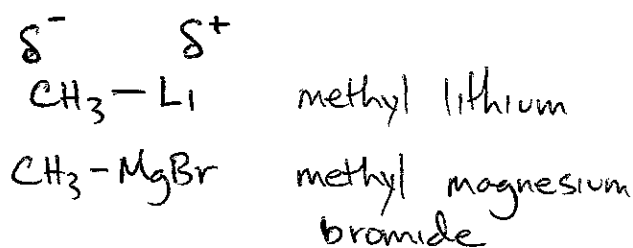
• Organometallic compounds

— examples we know:

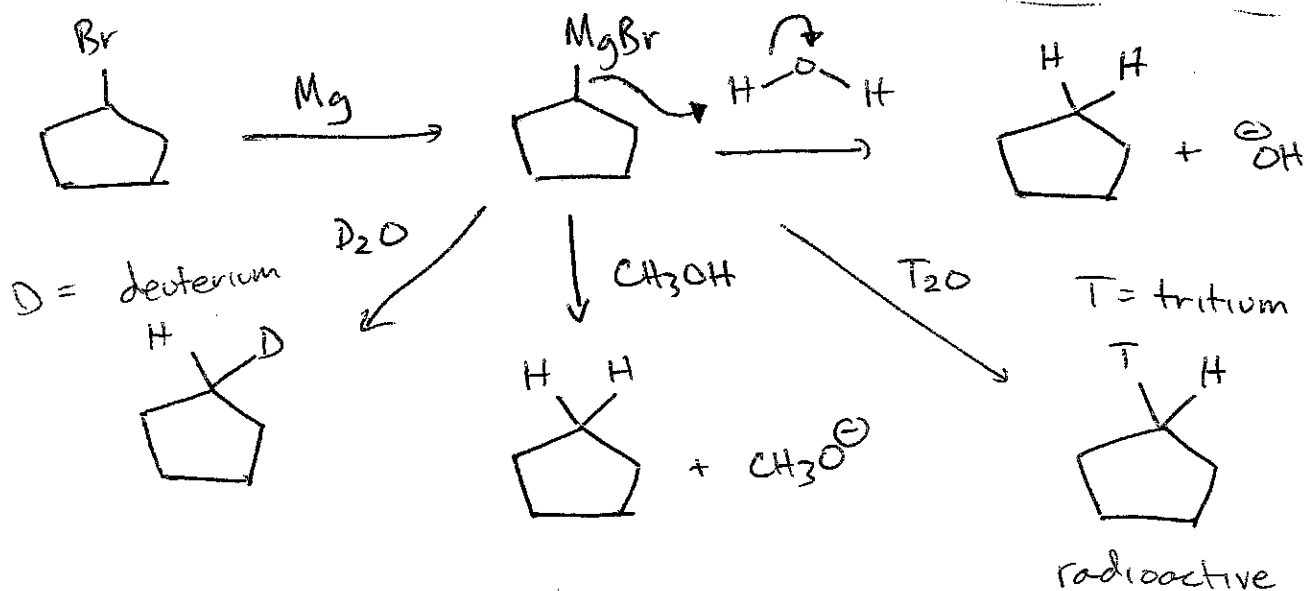
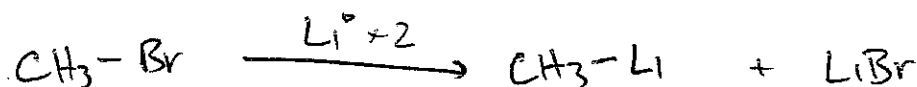
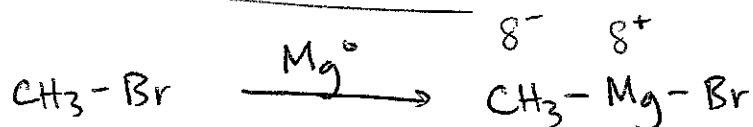


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- Grignard reagent (Mg)
- Organolithiums (Li)



Synthesis of organometallics



Course 343

Lecturer Hackenberger

Day Fri

Date 11/01

Notes Taken By _____

Total # of Pages _____

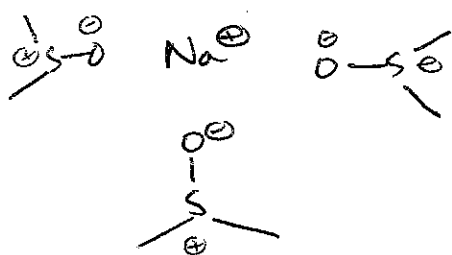
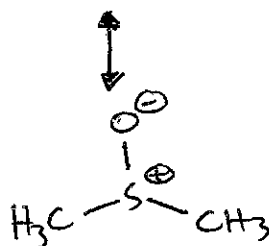
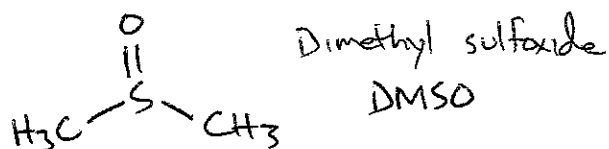
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• Polar protic solvents: H_2O , $R-NH_2$, $R-OH$

can solvate ions

• Polar aprotic solvents:

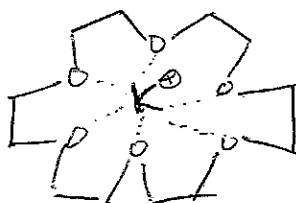
- solvates cations well
- doesn't solvate anions as well



Dimethylformamide (DMF):



• Crown ethers:



18-crown-6