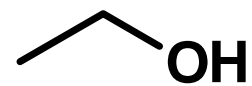
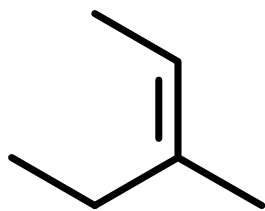
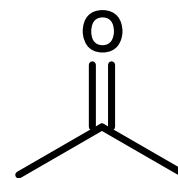
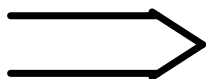
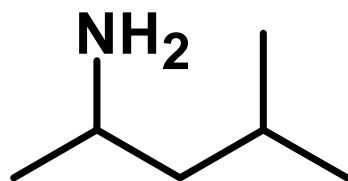
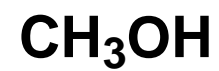
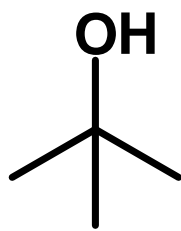


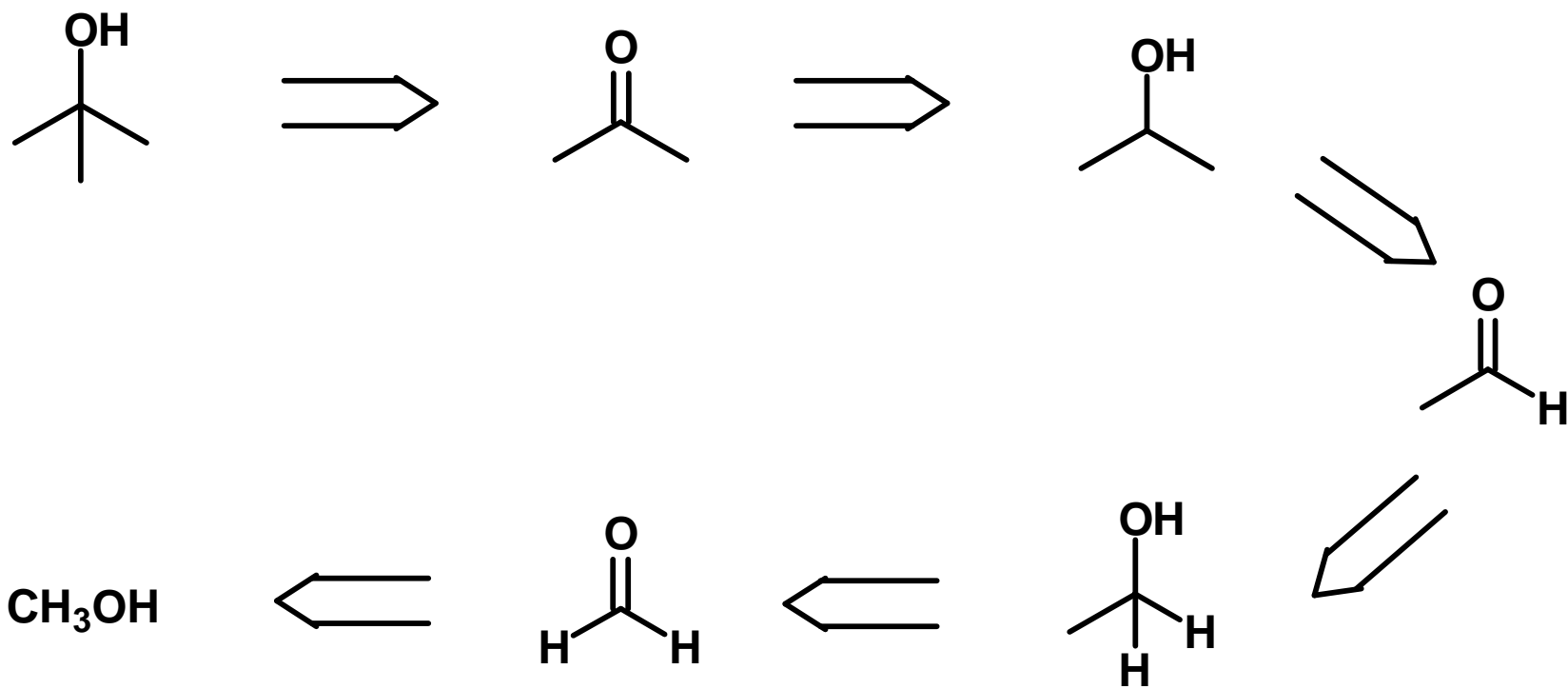
Retrosynthesis - Synthetic Efficiency

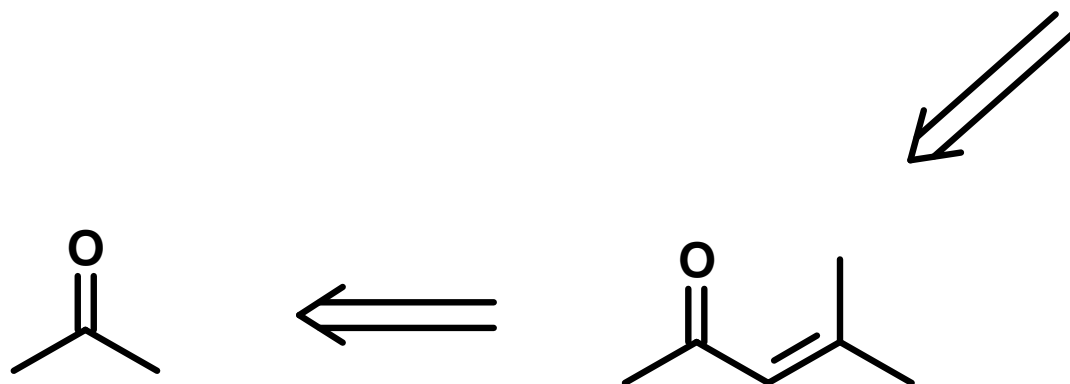
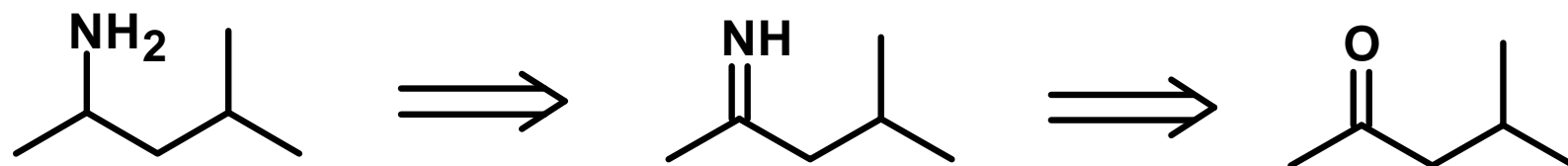
- **Retrosynthesis**
- **More Complex Situations**
- **Synthetic Efficiency**

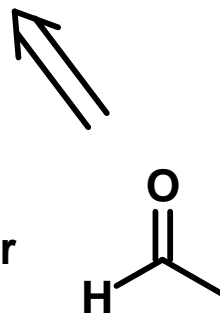
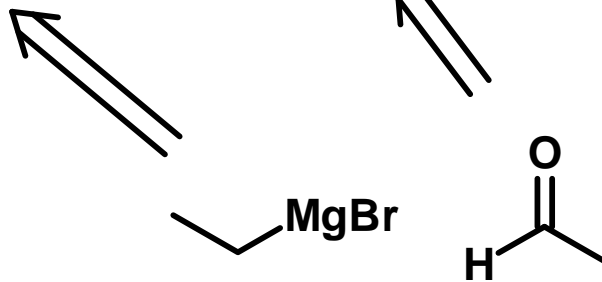
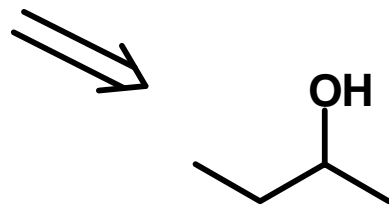
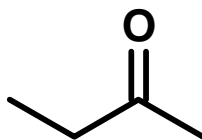
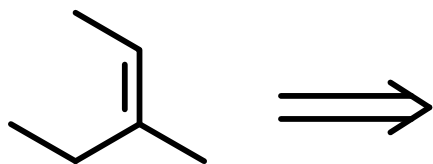
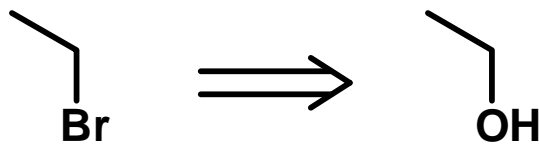
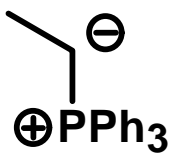
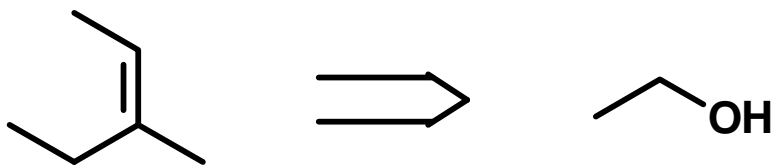
More Complicated Examples



Possible Retrosynthesis







Synthetic Efficiency

- **Try to keep synthesis short**
- **Use reactions that tend not to form mixtures**
- **Use a convergent approach when possible for making complex molecules**
- **Only use reactions we have seen (don't invent chemistry)**