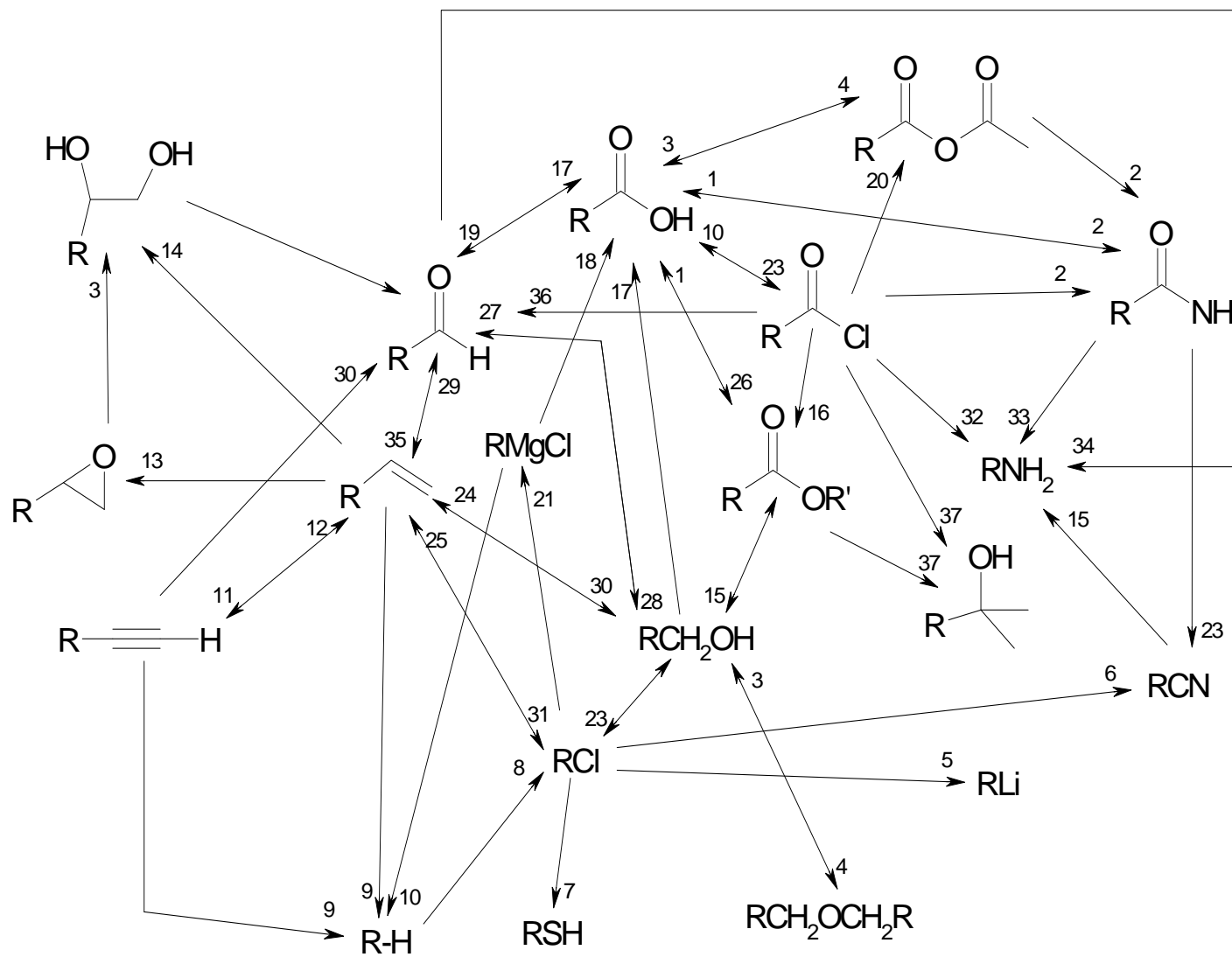


Spiderwebs Example



1. NaOH
2. NH₃, H₂O
3. H⁺, H₂O
4. Heat, loss of H₂O
5. 2 Li
6. NaCN
7. H₂S
8. Cl₂, hv
9. H₂, Pd-C
10. H₂O
11. Br₂, then NaNH₂
12. H₂, "Lindlar's" cat
13. mcpba
14. OsO₄
15. LiAlH₄
16. ROH
17. K₂Cr₂O₇/H₂SO₄
18. CO₂
19. DiBAL-H
20. CH₃COONa
21. Mg, Et₂O
22. NaOH, then LiAlH₄
23. SOCl₂, heat
24. H₃PO₄, heat
25. NaOMe, MeOH
26. ROH, H⁺
27. PCC or PDC
28. NaBH₄ or NaCNBH₄
29. O₃, DMS
30. BH₃, THF then H₂O₂
31. HCl
32. NaN₃, then NaOH/H₂O/heat
33. Br₂, 2 NaOH
34. NH₃, NaCNBH₄
35. Ph₃P=CH₂
36. LiAlH(O-tBu)₃
37. excess CH₃MgBr