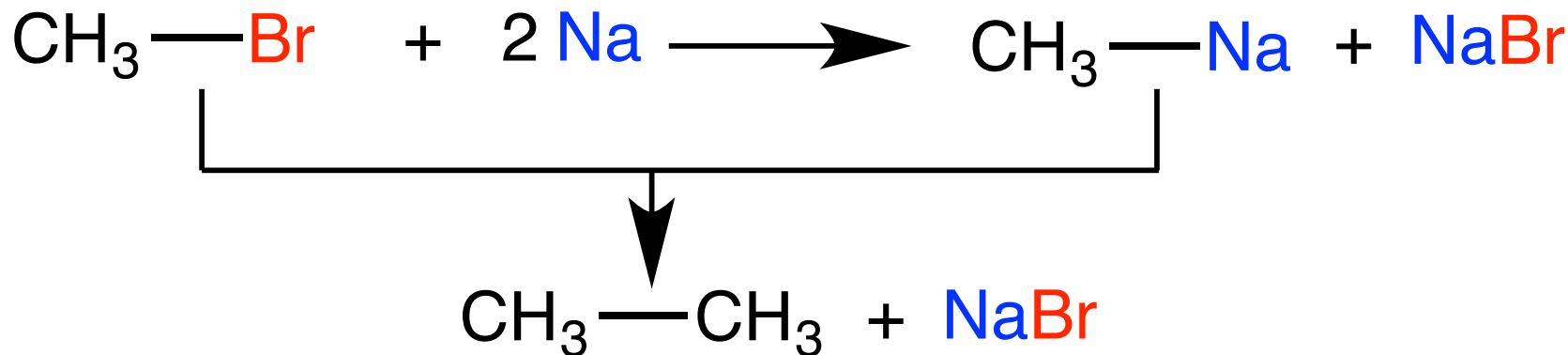


有機金属試薬の反応性

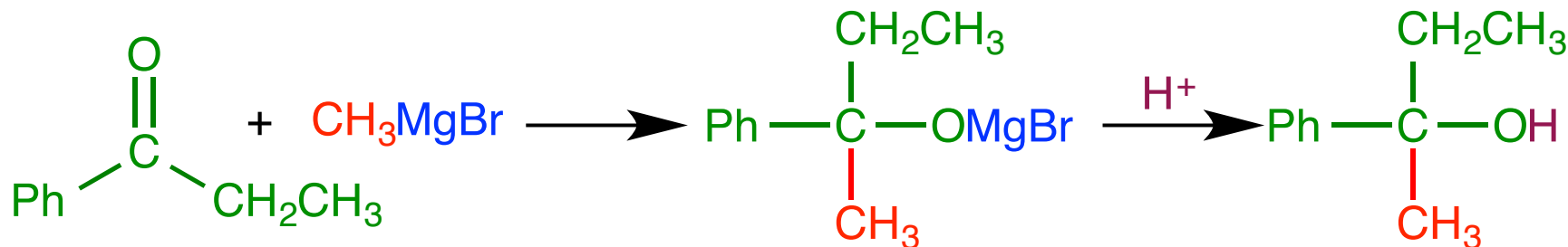
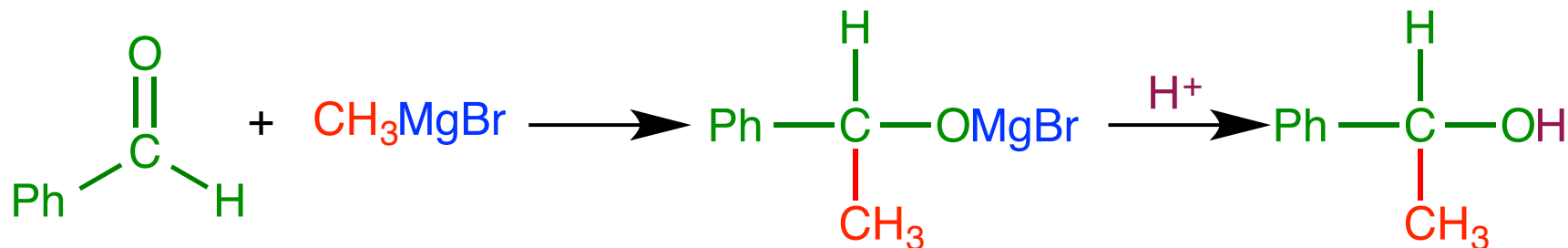
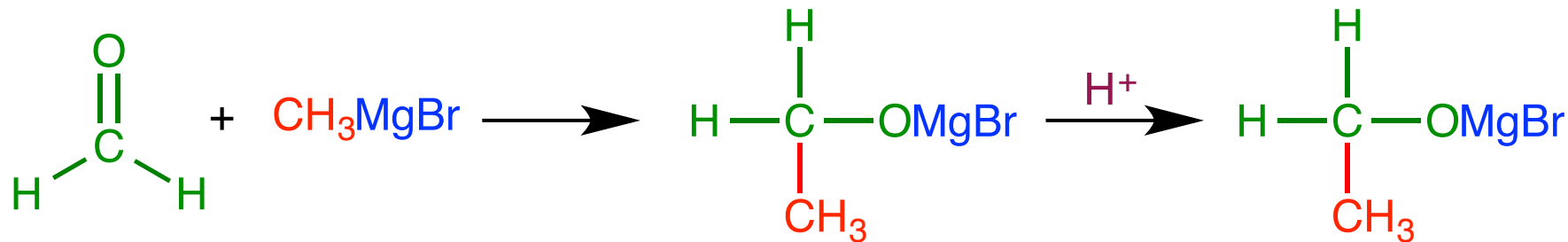
イオン性

C—Li	43	C—Mg	35
C—Na	47	C—Al	22
C—K	51	C—Zr	18

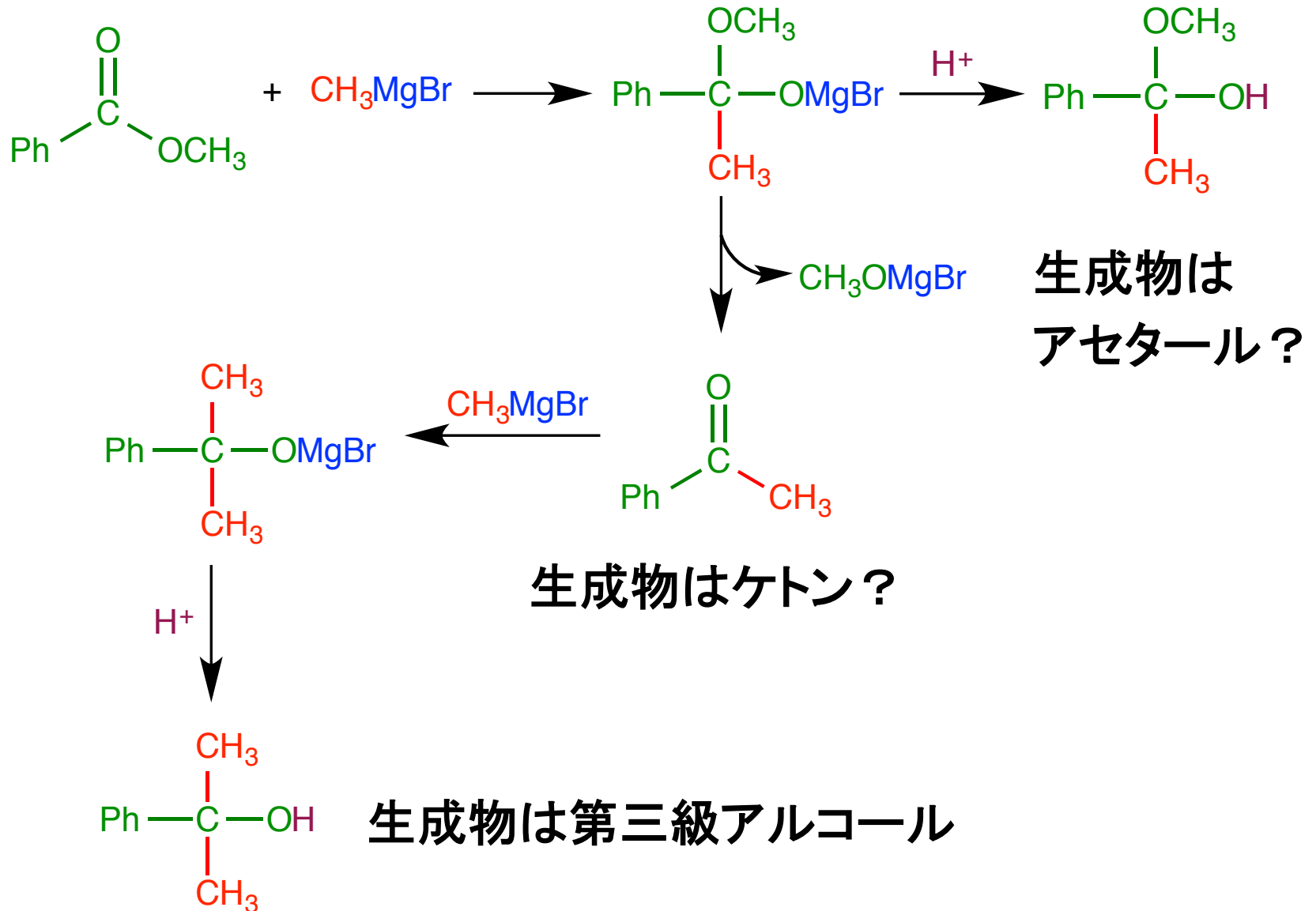
過ぎたるは...



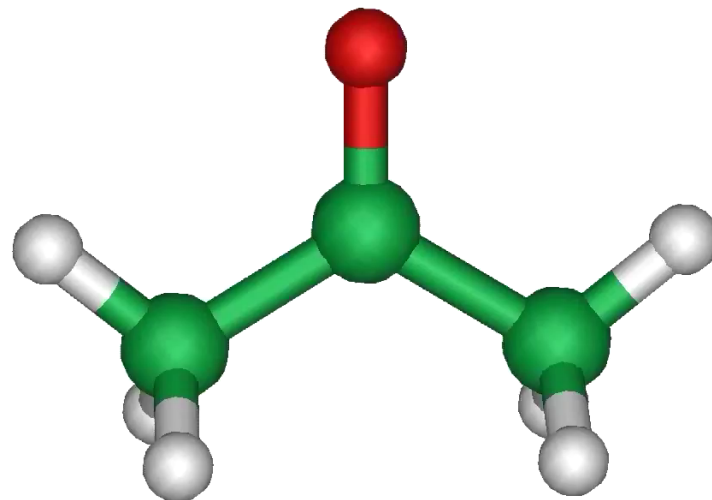
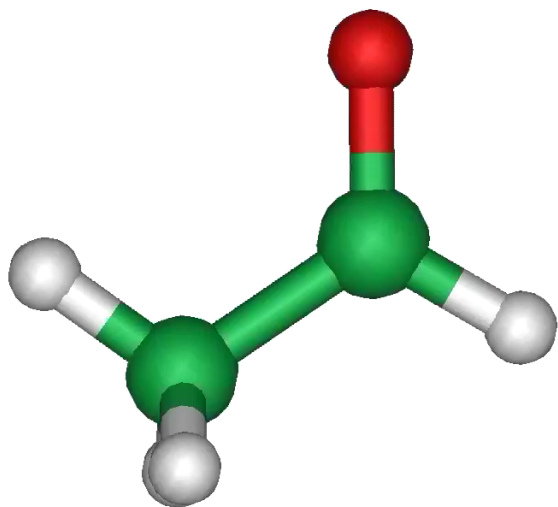
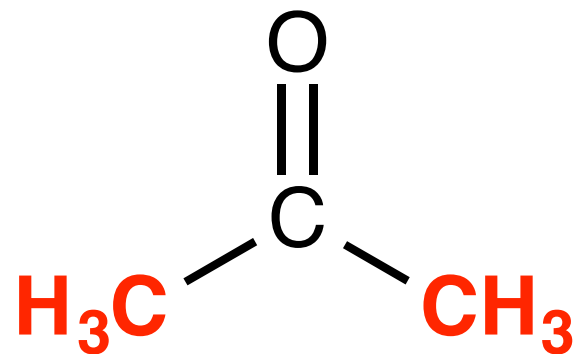
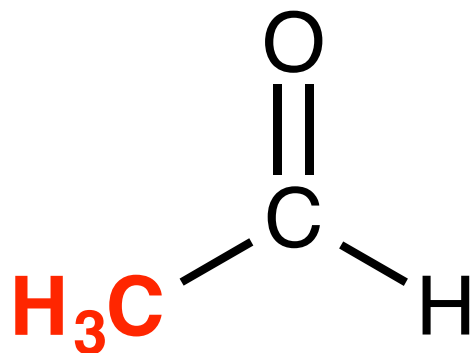
Grignard反応まとめ



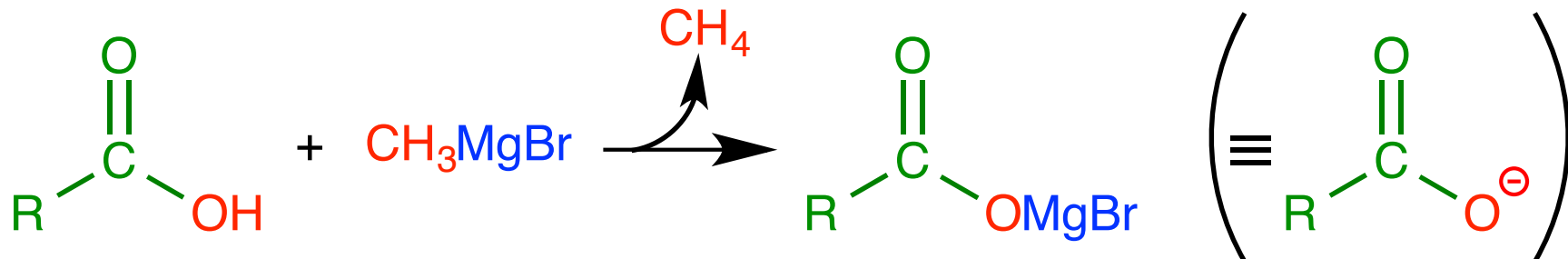
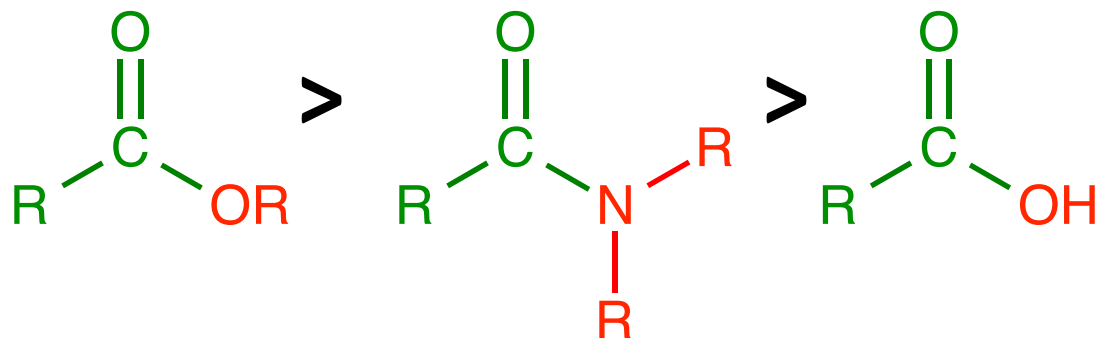
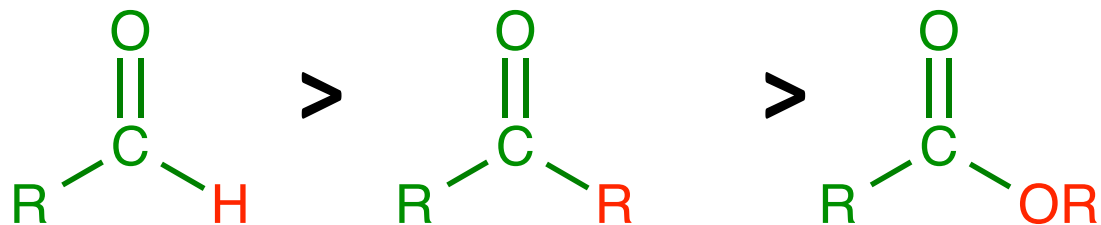
エステル



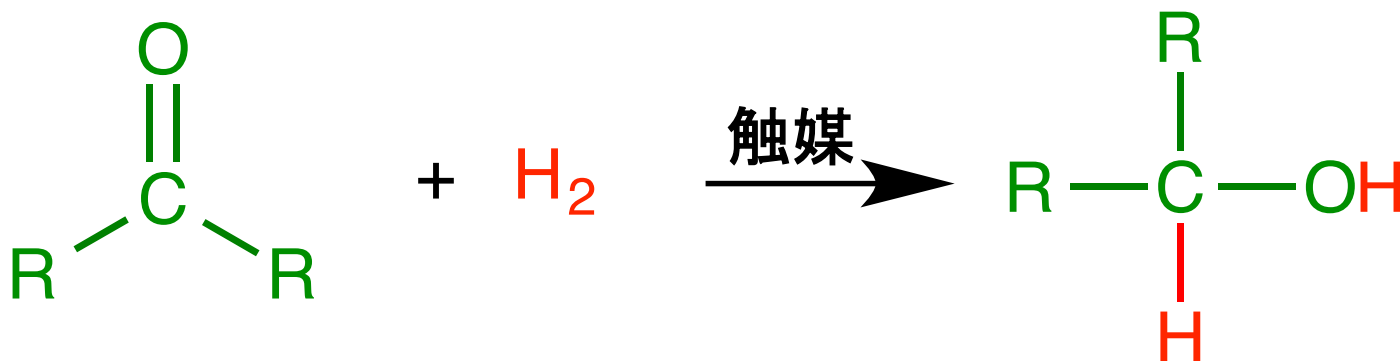
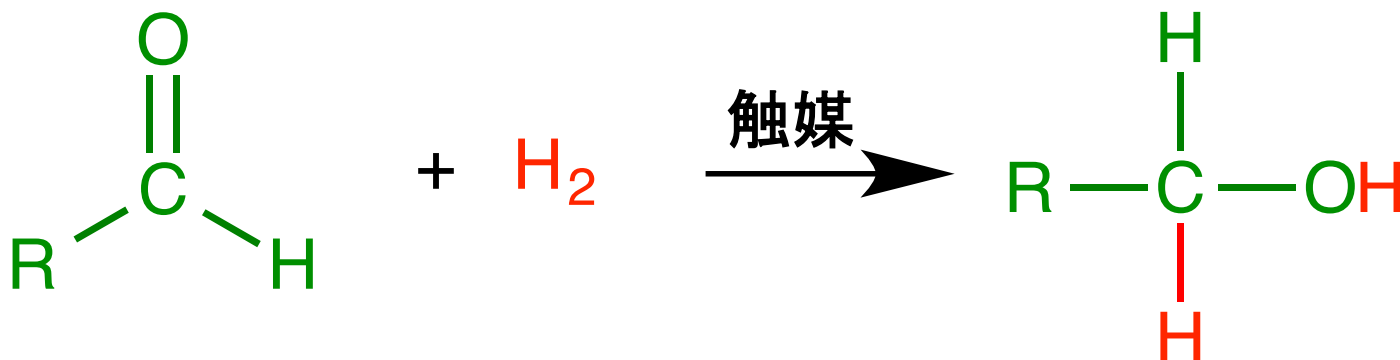
アルデヒド vs. ケトン



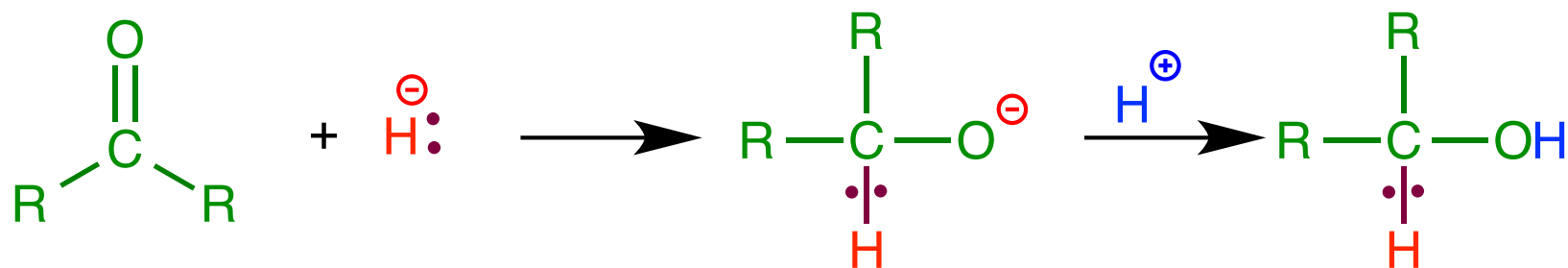
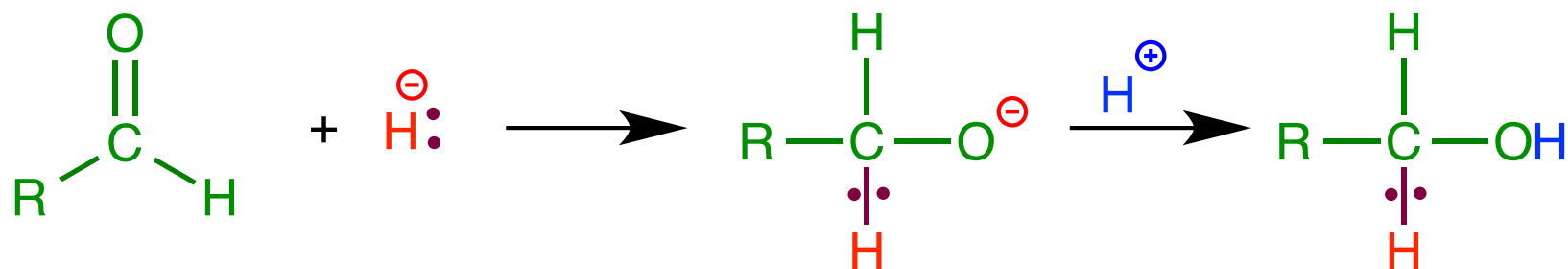
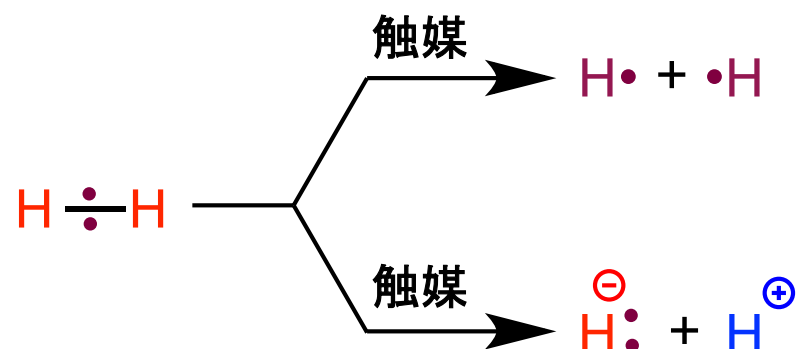
エステル, アミド, カルボン酸



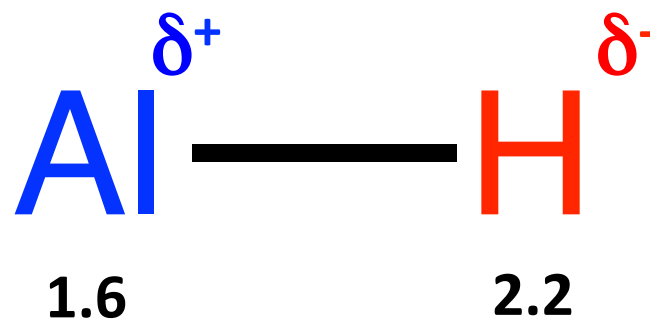
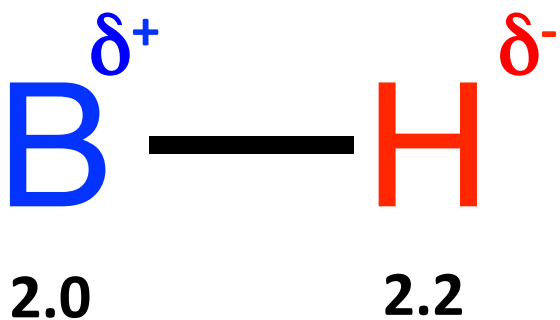
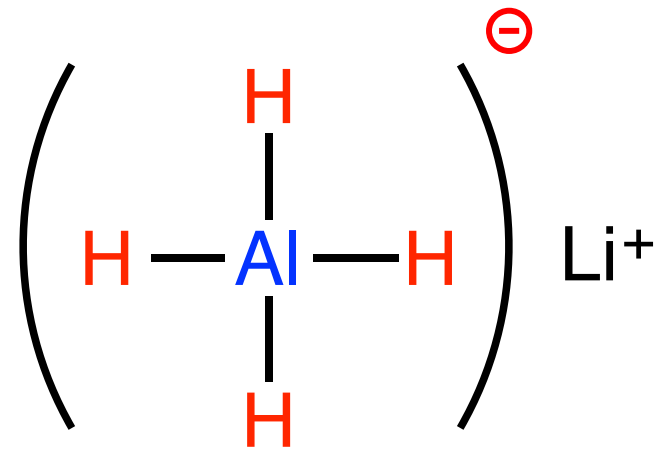
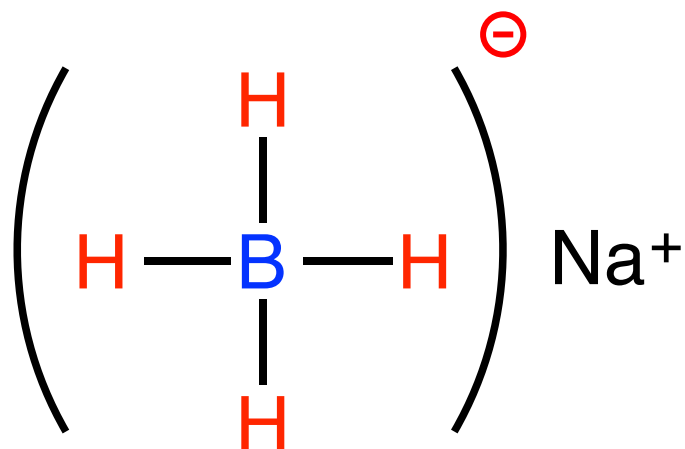
カルボニル基の還元



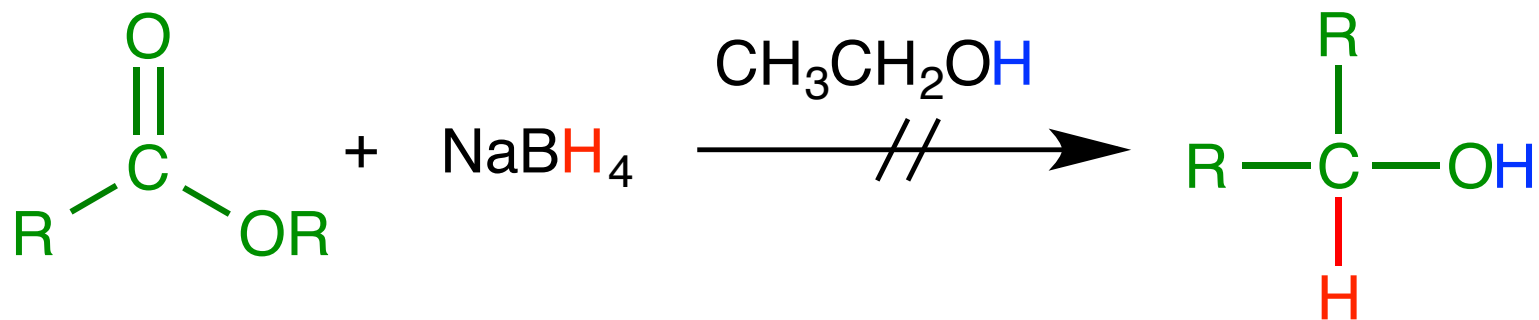
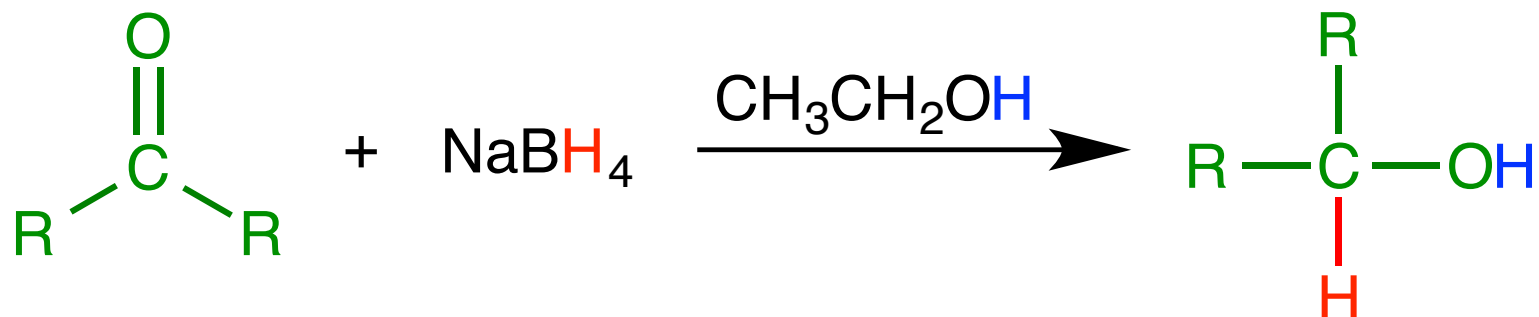
ヒドリドイオン



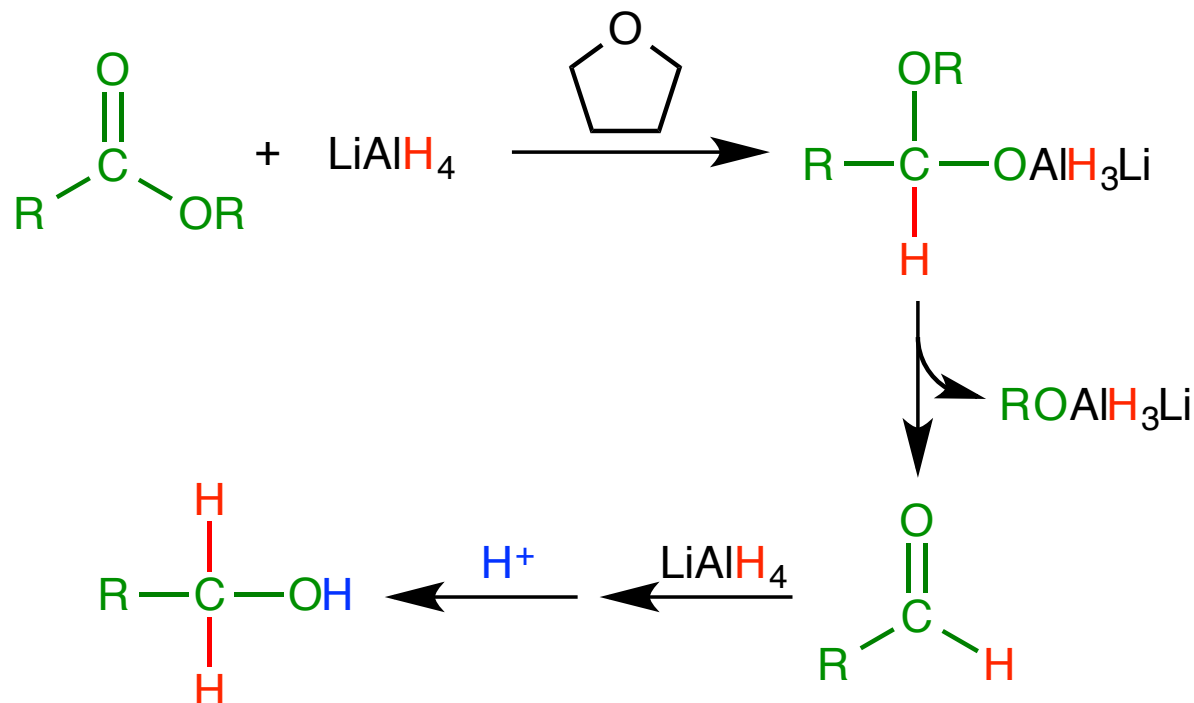
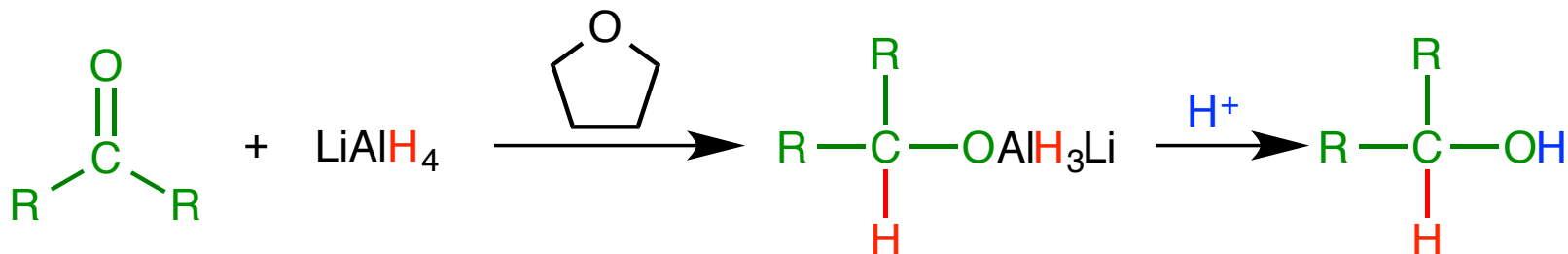
ヒドリド等価体 ($\text{H}^{\ominus}$)



ヒドリド還元 (NaBH₄)



ヒドリド還元 (LiAlH₄)



問題

