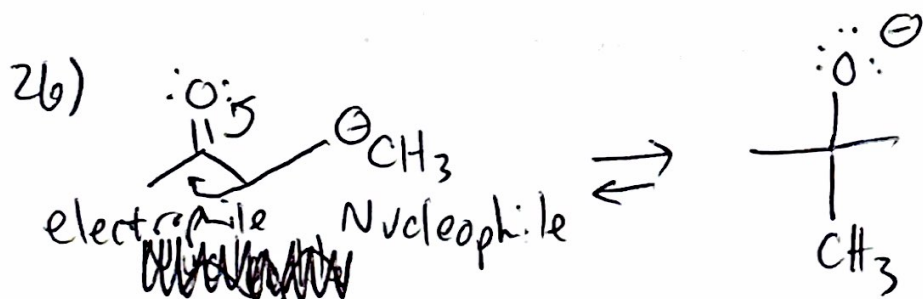
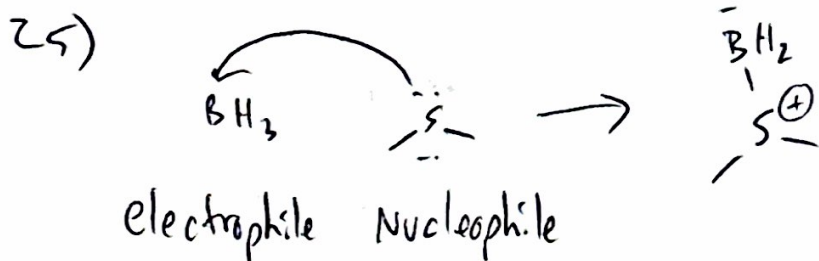
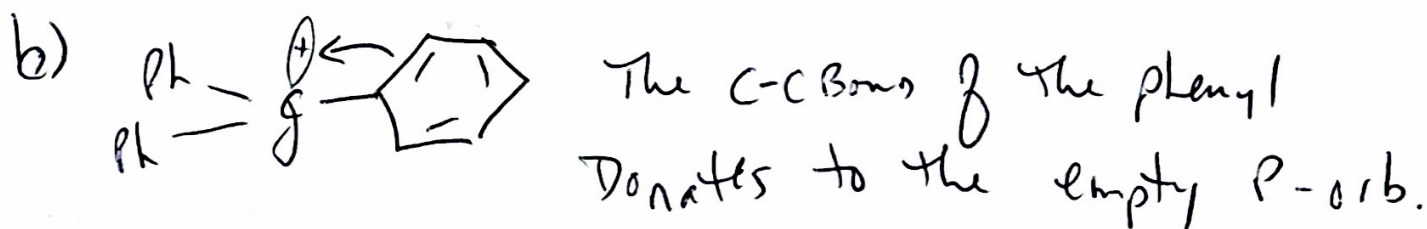


Chapter 8



27) a) sp^2



c) It would be less stable as the Electronegative F atoms would suck electron Density from the carbocation making it even more Positive.

28) a) 1st order

b) 1st order

c) 2nd order

d) $\text{rate} = k [\text{CH}_3\text{Br}]^1 [\text{I}^-]^1$

But ones are not usually written in.

29) a) 1st order

b) 0th order

c) 1st order

d) rate = $k[(CH_3)_3CBr]^1[H_2O]^0$

30) c

31) a)

A	B	C	D	E
3°	methyl	3°	1°	2°

b)

↑
Resonance
stabilized

c)

$B < D < E < A < C$

32) a)

A	B	C	D	E
3°	3°	1°	2°	methyl

b)

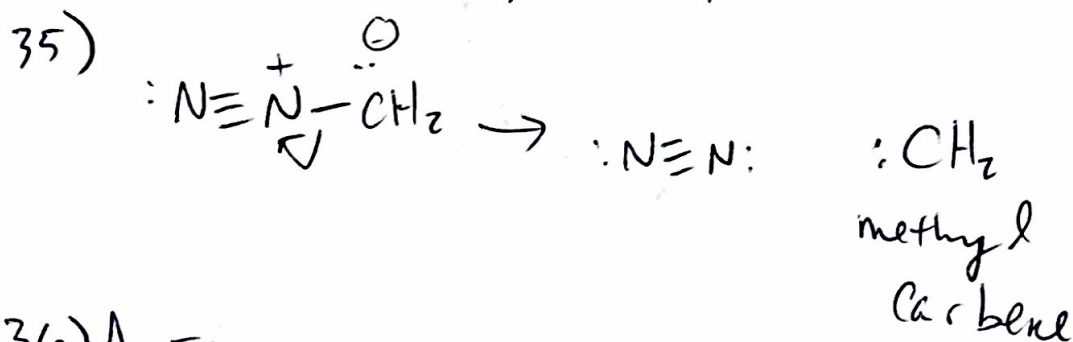
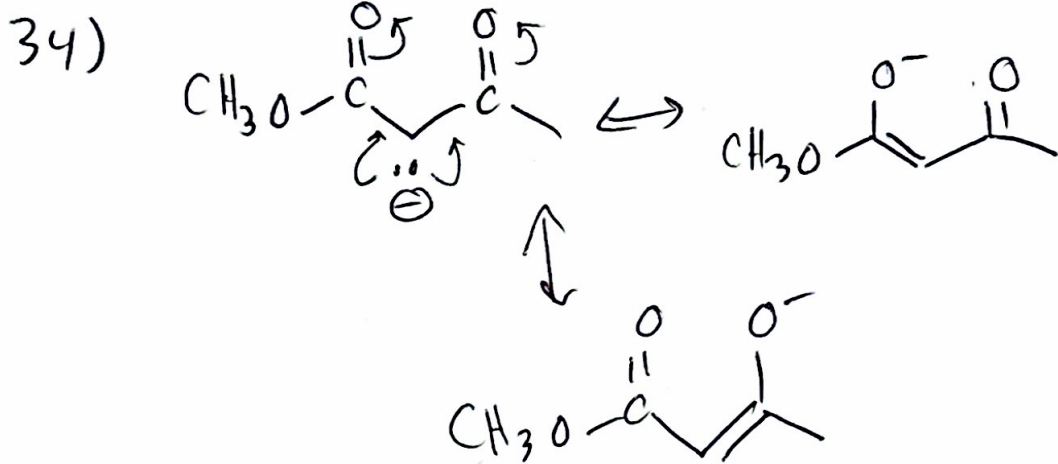
↑
Res
stabilized

c) $E < C < D < A < B$

33) a)

A	B	C	D
3°	methyl	1°	2°

b) None c) $A < D < C < B$



36) A Energy

B Reaction coord

E intermediate

H E_{act}

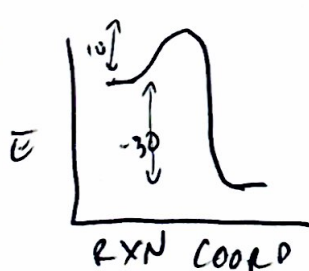
G Products

D 1st Trans. state

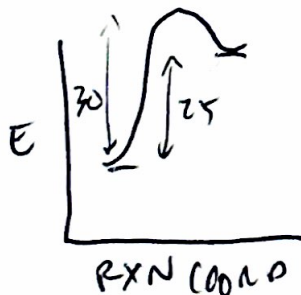
C Reactants

F Rate Det. trans. state

37) a)



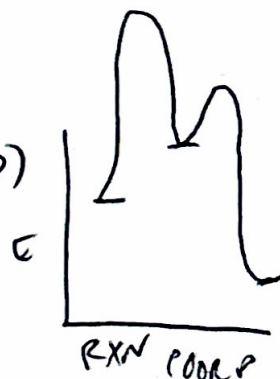
b)

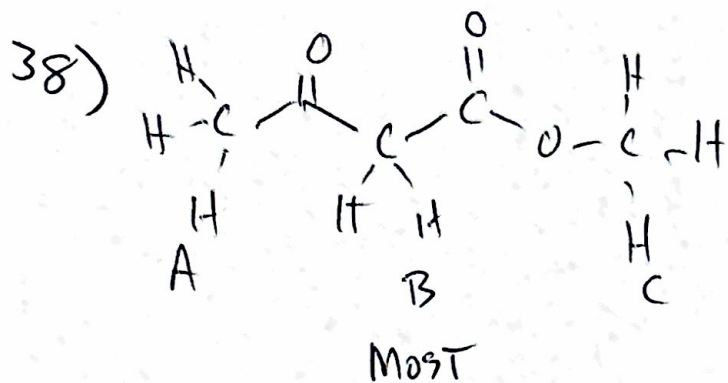


c)



d)





0 more
res
Forms

1 more
res
form

~~1 more~~
2 more
res forms

