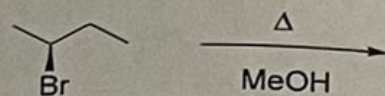


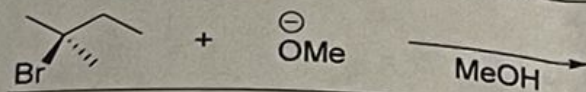
What are the **major organic products** of these reactions and by which mechanism (S_N1 , S_N2 , $E1$, or $E2$) are they formed?

a)



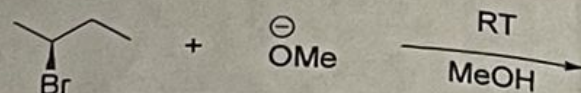
Mechanism:

b)



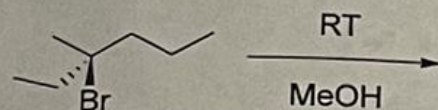
Mechanism:

c)



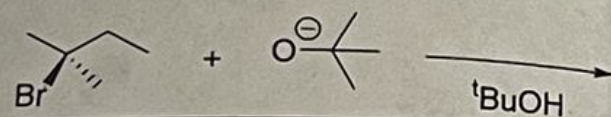
Mechanism:

d)



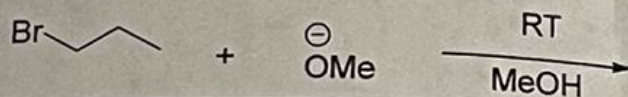
Mechanism:

e)



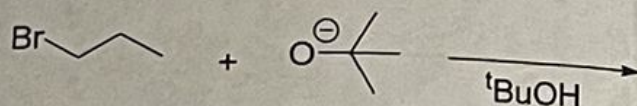
Mechanism:

f)



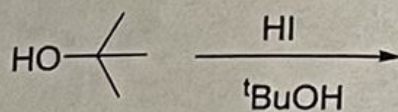
Mechanism:

g)



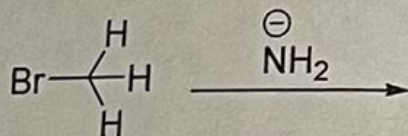
Mechanism:

h)



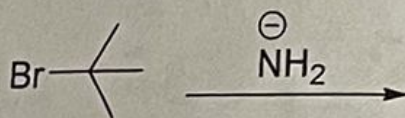
Mechanism:

i)



Mechanism:

k)



Mechanism: