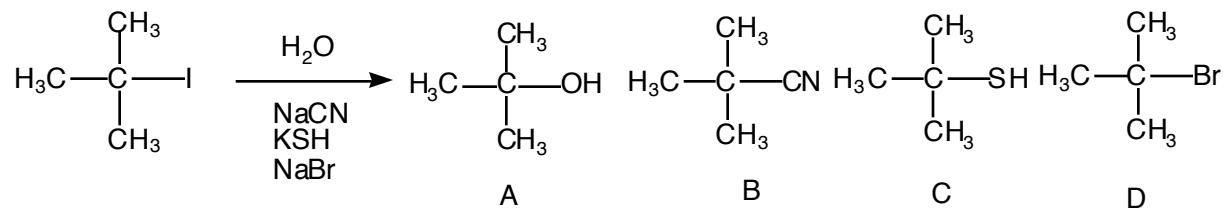
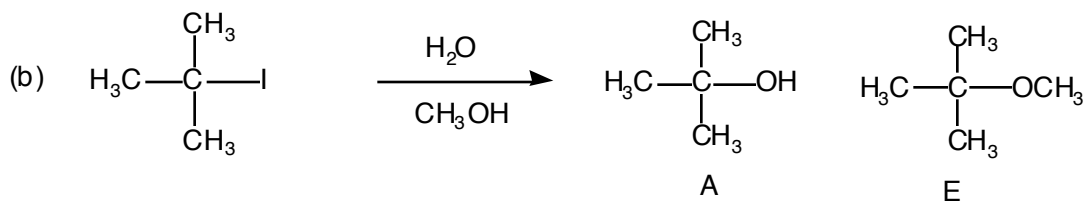
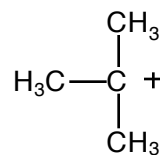


(a)



each available nucleophile captures the intermediate carbocation:



Both water and methyl alcohol; capture the tertiary carbocation. Note the two-step mechanism here and in A above.

