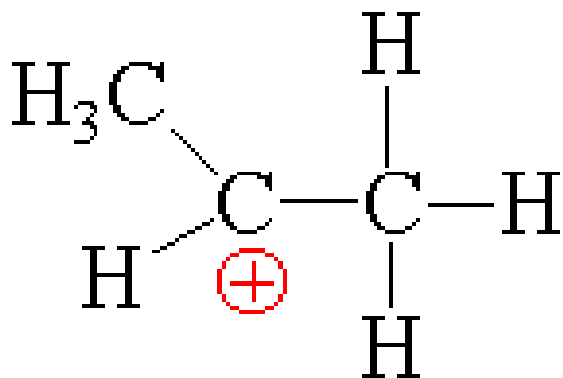
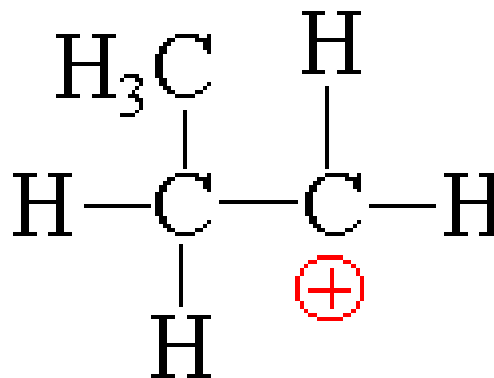


# Addition of HX



2° carbocation



1° carbocation

most stable intermediate

Stability of carbocations  $3^\circ > 2^\circ > 1^\circ$

carbocations are e<sup>-</sup> deficient

electrophiles react with nucleophile

Lewis acids

Lewis base