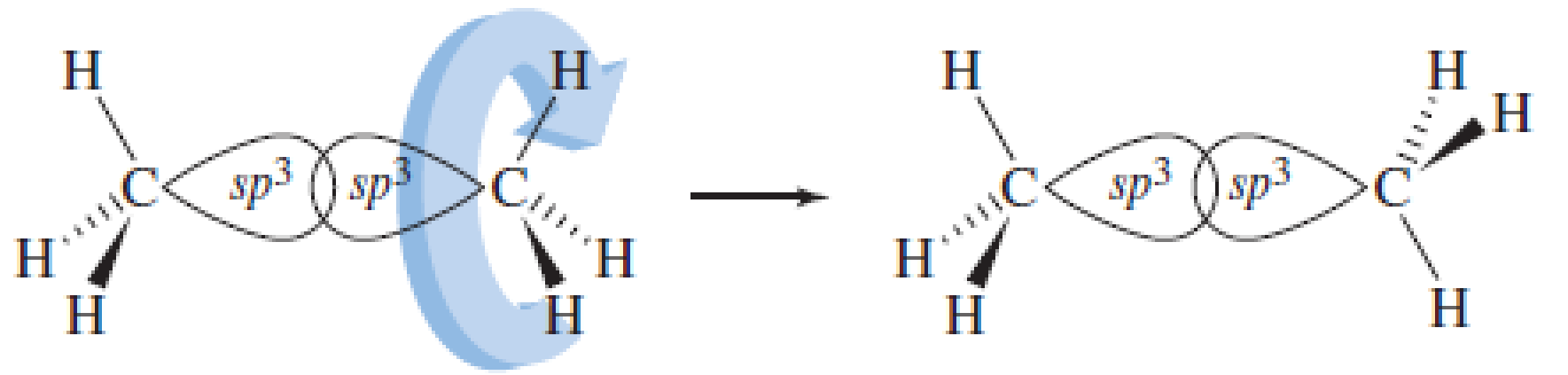
Konformacije etana

rotacija

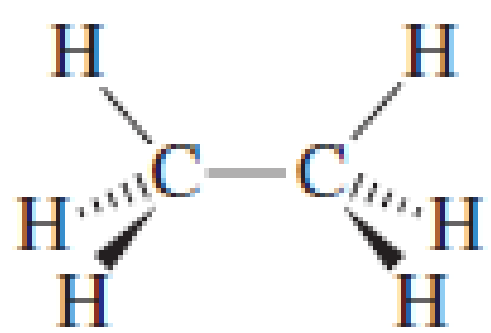


linearno prekrivanje σ-veze

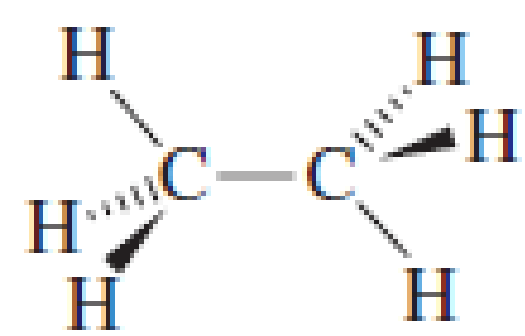
zadržano prekrivanje

Prikazivanje konformacija

Klinaste formule

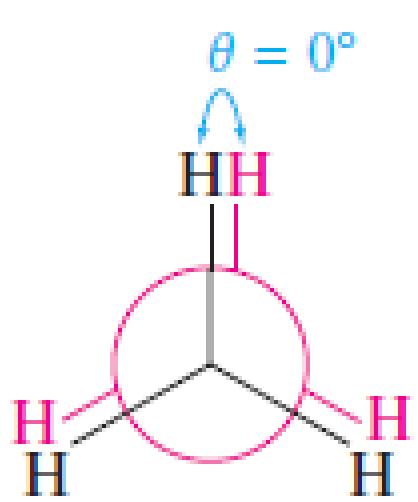


zasjenjena konformacija

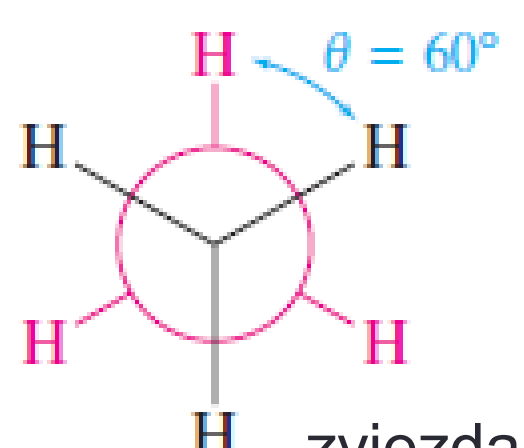


zvjezdasta konformacija

Newmanove projekcijske formule



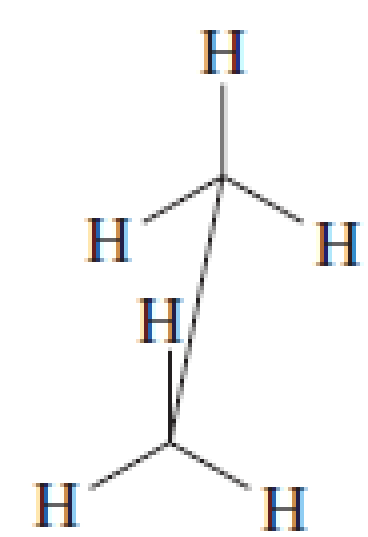
zasjenjena



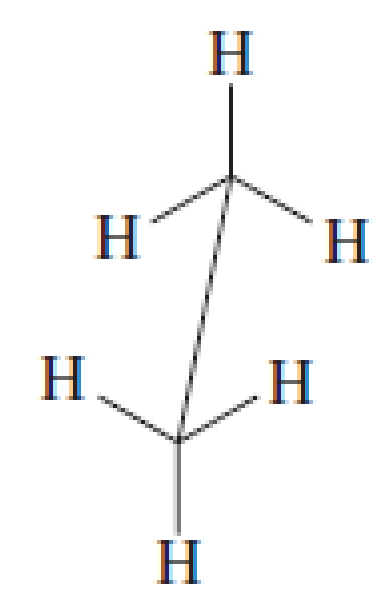
zvjezdasta

Diedarski kut (*θ*) – kut između veza C-H prednjega ugljikova atoma i veza C-H stražnjega ugljikova atoma u Newmanovoj projekciji.

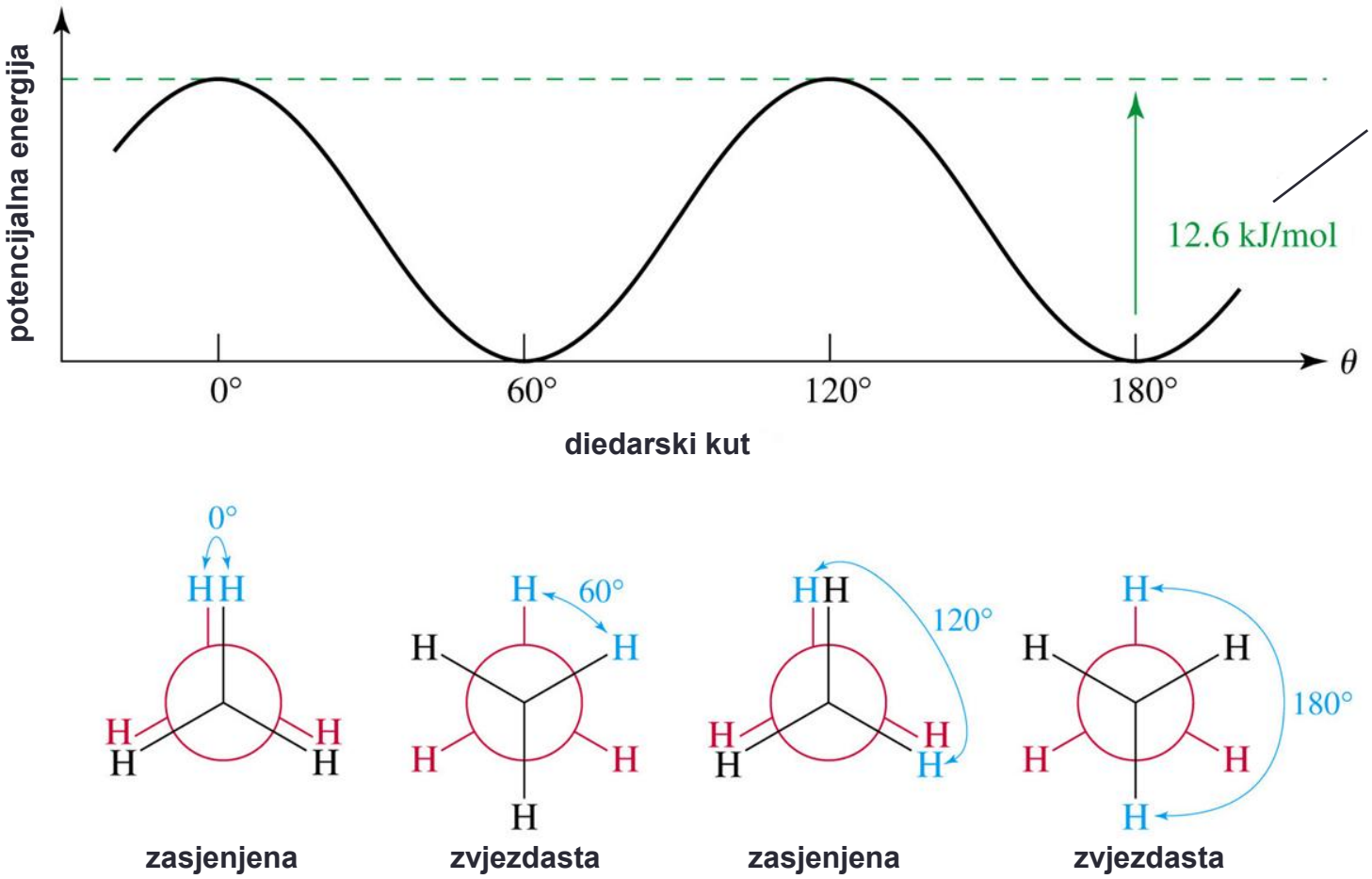
Rašljaste (perspektivne) strukture



zasjenjena ($\theta = 0°$)



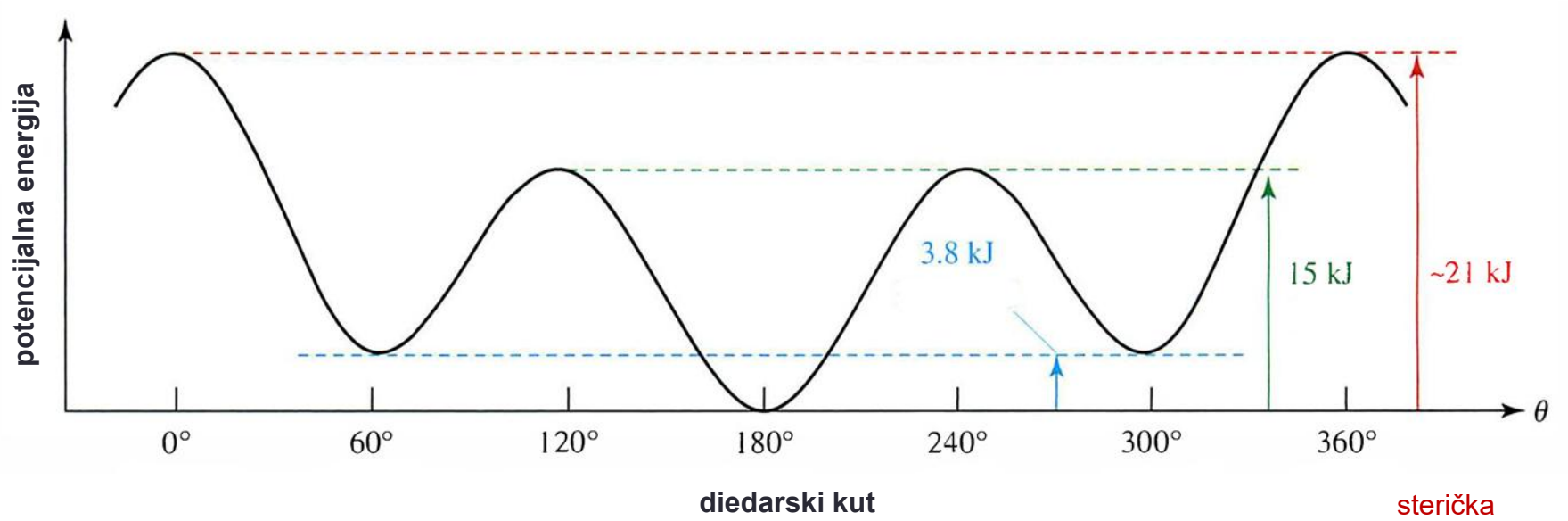
zvjezdasta ($\theta = 60°$)



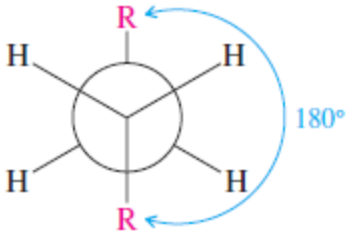
KONFORMERI (konformacijski izomeri) – stabilne konformacije (koje predočuju minimum energije).

Konformacijska analiza – istraživanje energijskog sadržaja različitih konformacija.

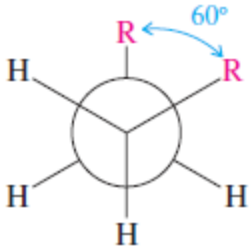
Konformacije butana



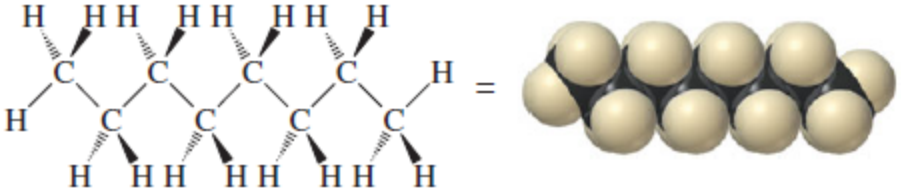
Konformacije viših alkana



anti **konformacija**



kosa ili *gauche* konformacija



oktan (sve veze u *anti* konformaciji – cik-cak struktura)