

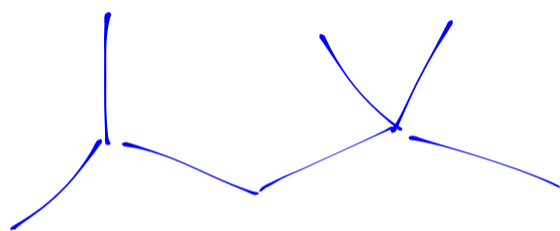
Aug 28 Block 1

names +

Quiz write structures for isomers of C_6H_{14}
[5pt each]

give a name

write a structure showing all bonds and atoms



isooctane

isomers are molecules with different structures
but identical formulae

these have different physical properties + names

homologous series

for alkanes (normal) inc. # of C \rightarrow incr. mp + bp

CH_4 gas at RT

$C_{30}H_{62}$ wax

C_{1000+} plastic

for same same # of C

increasing branching \rightarrow dec. mp + bp



hybrid orbitals

s, p, d, f

