

2.



CH₃CH₂CH₂CH₂CH₂CH₂CH₃ C

Compound A has 4 sites of unsaturation and all of them are in the form of 2 triple bonds since 2 equiv. of H₂ were consumeds) (Lindlar's cat. will reduce only triple bonds to double bonds)



3.



4.

a) Br H CH_2CH_3 CH_2CH_3 & H CH_3 CH_2CH_3 Br identical S S



6.



c) There are 8 stereoisomers.

d)



5.