

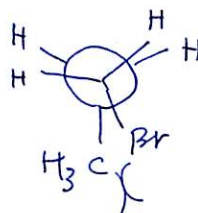
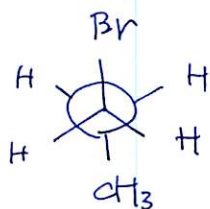
# 試験答案用紙

横浜市立大学

年 月 日

科目名	クラス	担当者	学部	課程・学科	採点欄
学年	学籍番号	氏名			

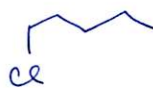
1 1-bromopropane



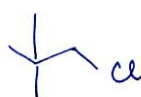
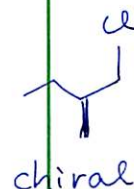
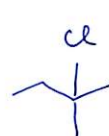
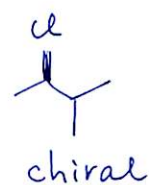
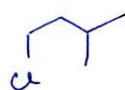
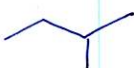
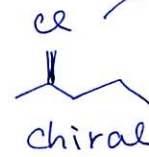
ねじり型  
安定  
最安定

重なり型  
不安定

2 pentane

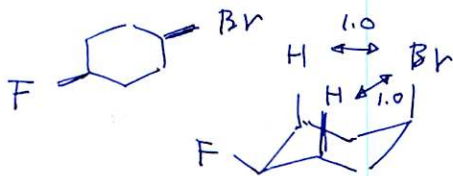


(R)-2-chloropentane

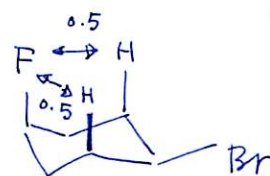


(R)-2-chloro-3-methylbutane

3



flip



(S)-1-chloro-2-methylbutane

不安定  
 $2 \times 1.0 = 2.0 \text{ kJ/mol}$

対称安定 ( $2.0 - 1.0 = \Delta 1.0 \text{ kJ/mol}$ )  
 $2 \times 0.5 = 1.0 \text{ kJ/mol}$

4

a)

(S)-4-octyl octane

$C_{10}H_{22}$

b)

3,3-dimethylhexane

$C_8H_{18}$

c)

(1R, 2S)-1,2-dichlorocyclohexane

$C_6H_{10}Cl_2$



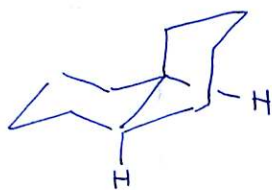
meso

d)

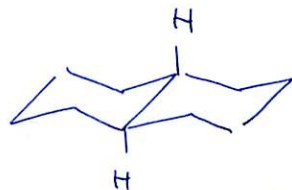
(1S, 2R)-1-bromo-2-isopropylcyclobutane

$C_7H_{13}Br$

5



cis-decalin

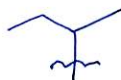


trans-decalin

6



butyl 基



sec-butyl 基



isobutyl 基



tert-butyl 基