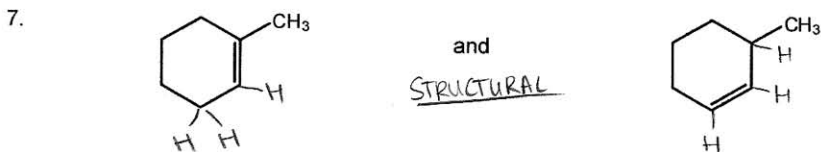
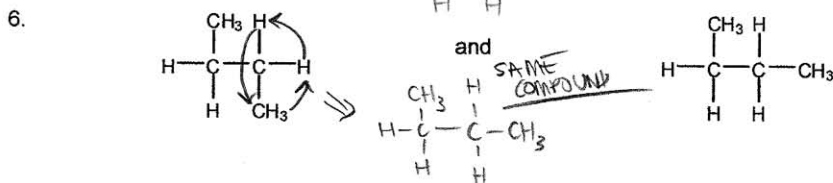
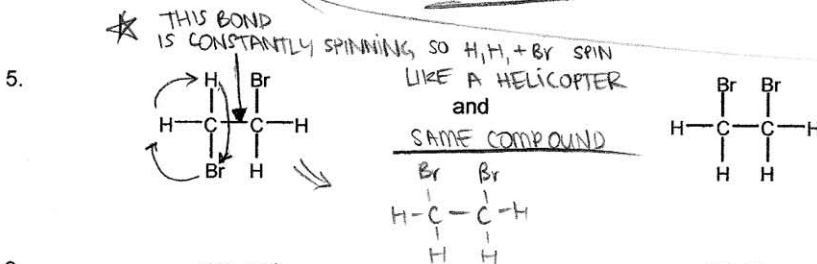
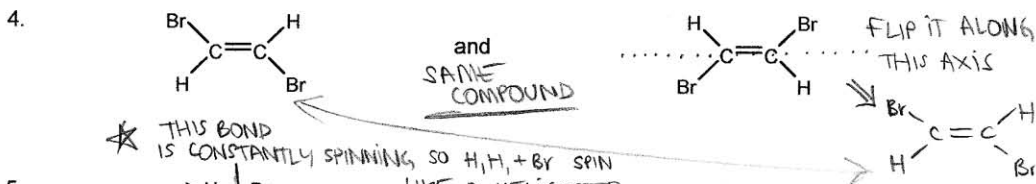
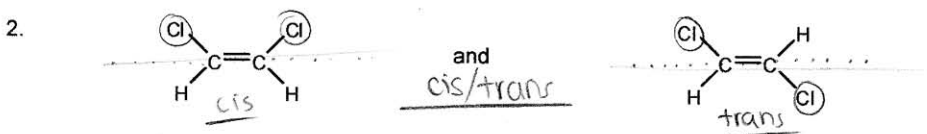
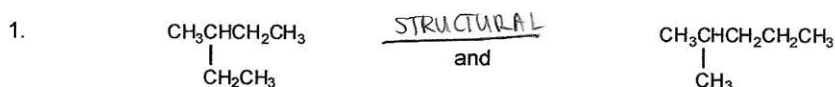


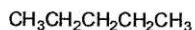
Chapter 02 Worksheet 02

Give the relationship between the following pairs of structures. The possible relationships are: the same compound, constitutional (structural) isomers, cis/trans isomers, or not isomers (different molecular formula)

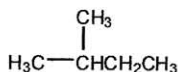


Rank the following in order of increasing boiling point (1 = lowest, 3 = highest)

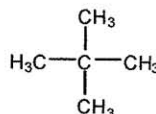
8. BRANCHING LOWERS BOILING POINT



3



2



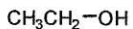
1

9. $\text{H}_3\text{C}-\text{O}-\text{CH}_3$ POLAR

2

medium intermolecular interactions

ALCOHOL (HYDROGEN BONDS)



3

↑
Hi intermolecular interactions

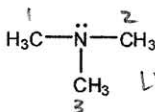
NON POLAR



1

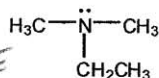
only London dispersion

10.

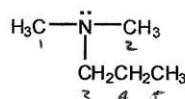


1

LIGHT MOLECULE



2



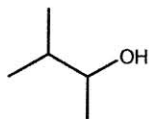
3

HEAVY MOLECULE

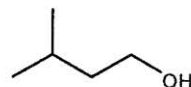
11.



3

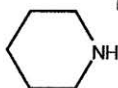


1



2

12.



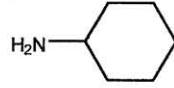
1

LEAST H BONDING
LEAST WEIGHT



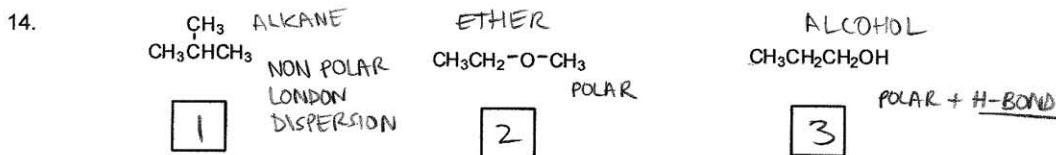
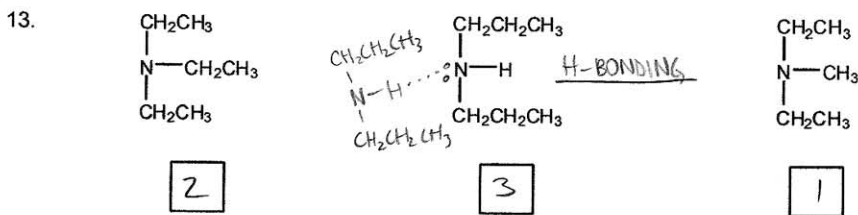
3

MORE H BONDING
MORE WEIGHT

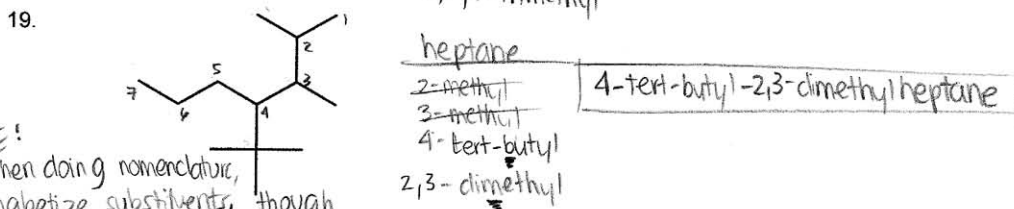
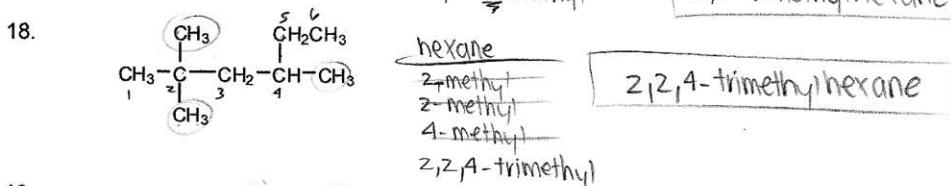
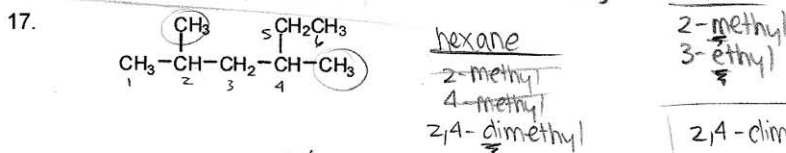
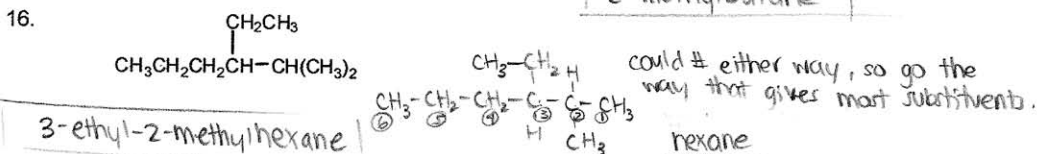
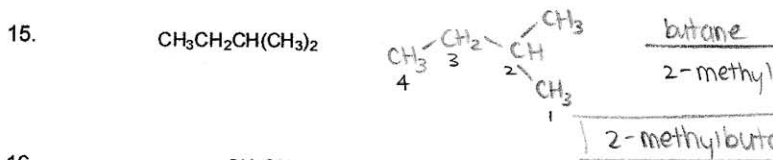


2

LESS H BONDING
LESS WEIGHT



Provide the IUPAC names for the following compounds.



★ NOTE!
when doing nomenclature,
alphabetize substituents, though
only iso, neo + cyclo count. not di, tri, tetra...