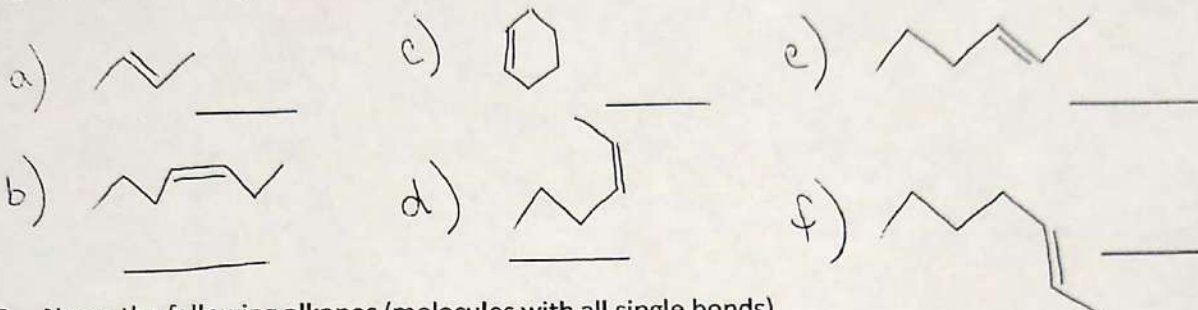


Name: _____ Date: _____ Pd: _____

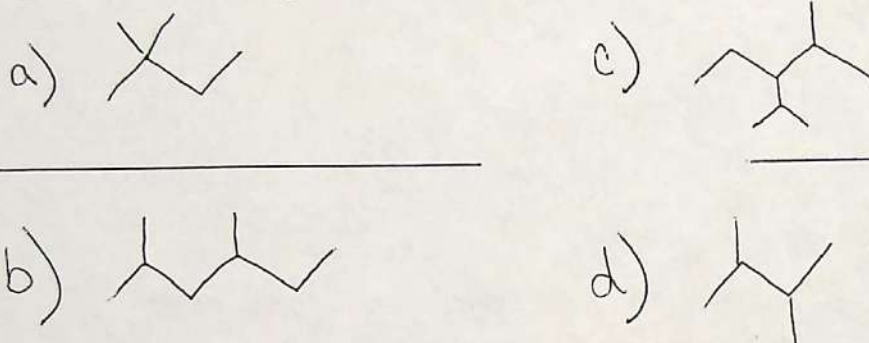
Nomenclature Practice WS #3:

Stereoisomerism	Substituents	Parent Chain	Unsaturation	Functional Group
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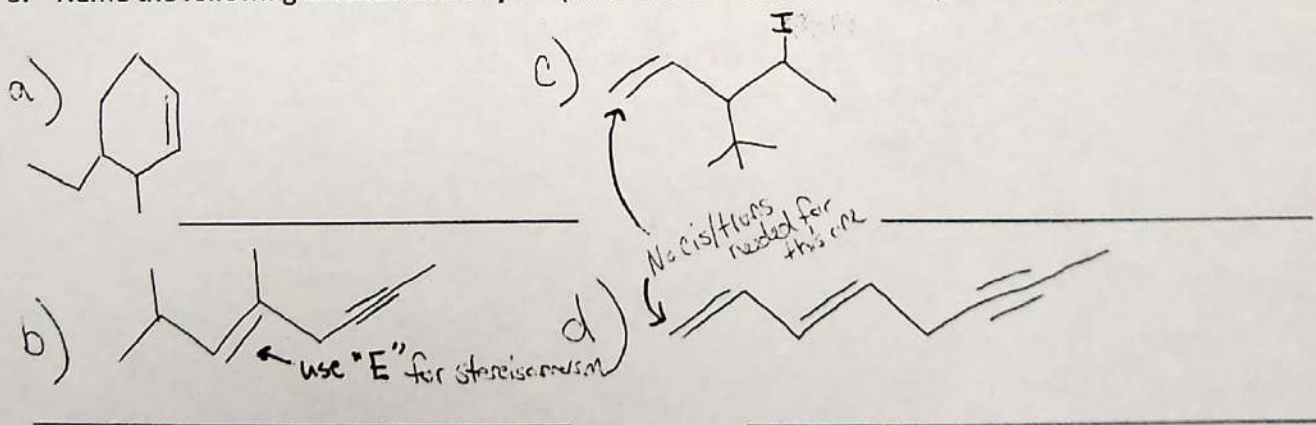
1. For the following molecules, label the double bond as **cis** or **trans**.



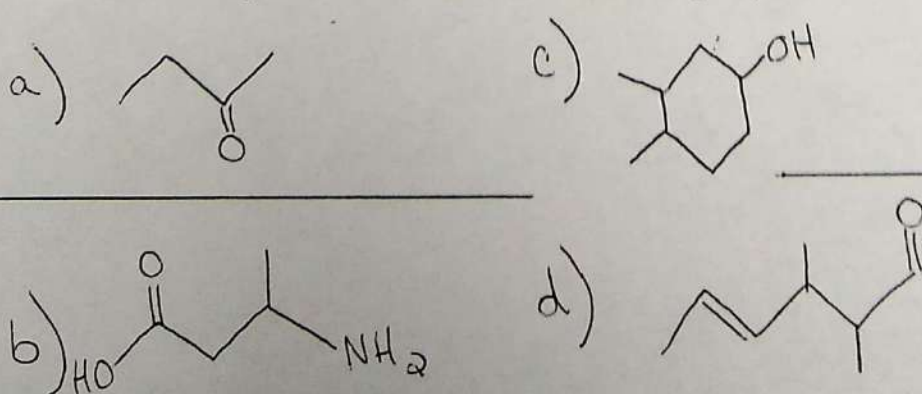
2. Name the following **alkanes** (molecules with all single bonds).



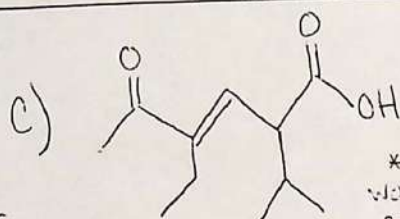
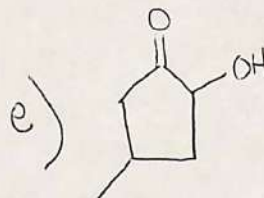
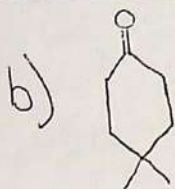
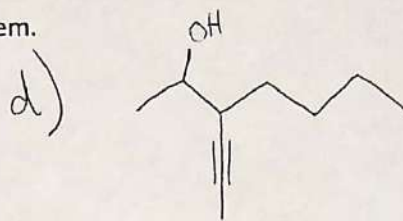
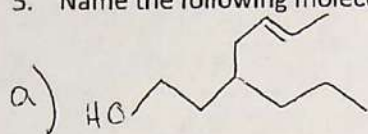
3. Name the following **alkenes** and **alkynes** (molecules with double and triple bonds).



4. Name the following molecules that contain **functional groups**.

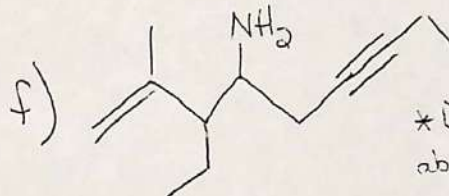


5. Name the following molecules using the IUPAC system.



* Do NOT worry about cis/trans here

* use "E" for stereoisomerism of 2x bond



* Do NOT worry about cis/trans here

6. Use the following names to draw the bond-line structures of the corresponding molecule. ^{b/c no '1' is shown we assume it}

a) 2-propylpentan-1-oic acid

d) 2-hydroxy-3-keto-4-methylheptanal

b) trans-4,5-dichloro-6,6-dimethylhept-4-en-2-one

c) 4,4-diethyl-2-methylcyclohex-2,5-dien-1-one