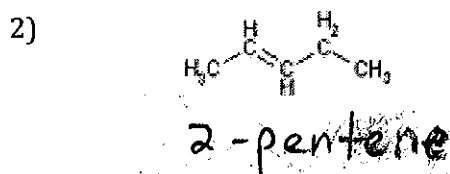
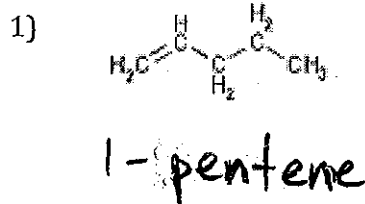


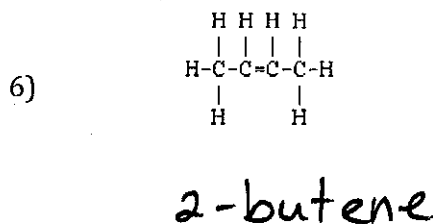
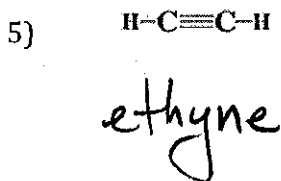
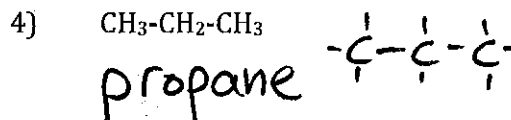
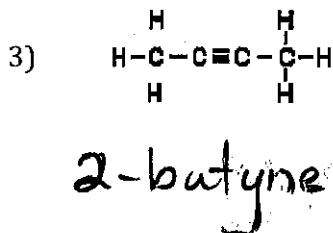
# Organic Naming Practice

Name \_\_\_\_\_

Write the name of each of the following organic compounds:

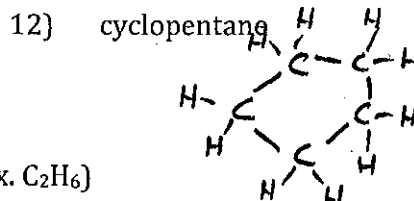
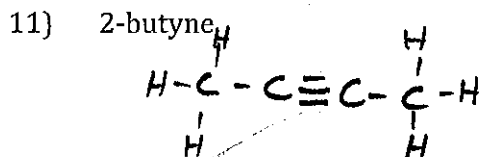
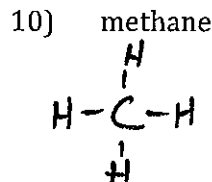
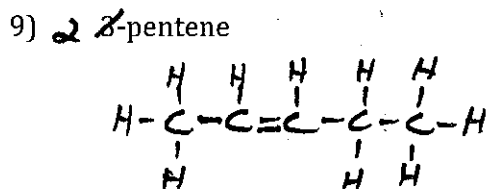
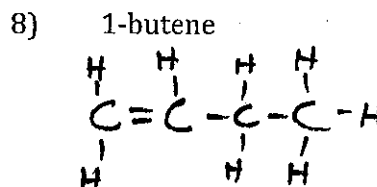
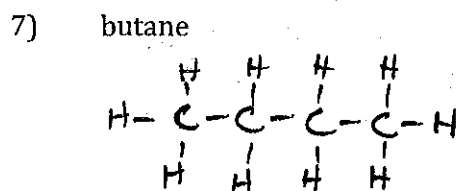


Is this molecule cis or trans?

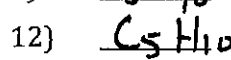
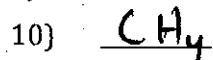


Is this molecule cis or trans?

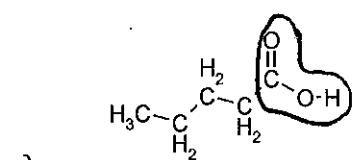
Write the structures for the following organic molecules:



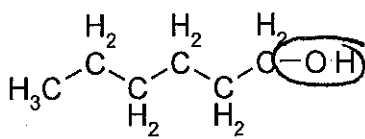
For each molecule in 7-12, give the chemical formula (ex.  $\text{C}_2\text{H}_6$ )



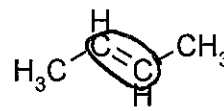
13. First identify the function group(s) present in each molecule. Then name the following compounds:



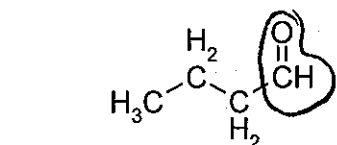
pentanoic acid



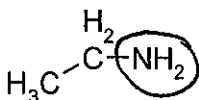
1-hexanol



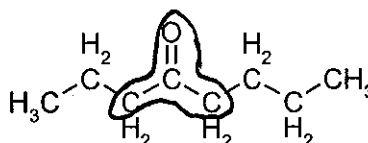
2-butene



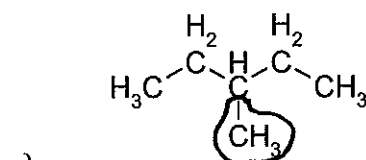
butanal



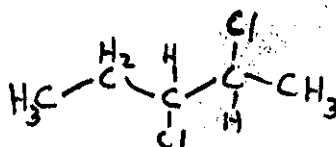
ethamine



4-octanone

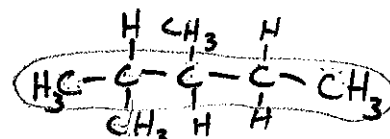


3-methyl pentane



CH<sub>3</sub>CH<sub>2</sub>CHClCHClCH<sub>3</sub>

2,3-dichloropentane

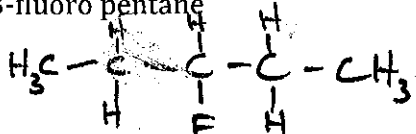


CH<sub>3</sub>CH(CH<sub>3</sub>)CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>

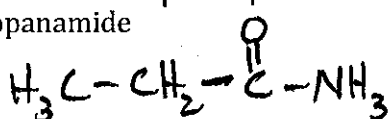
2,3-dimethyl pentane

14. Draw structures, or write structural formulas, for:

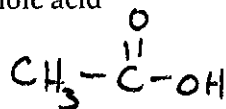
a) 3-fluoro pentane



b) propanamide

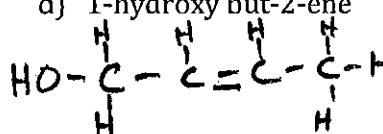


c) ethanoic acid

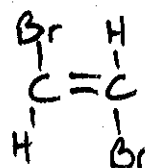


Bonus Challenge:

d) 1-hydroxy but-2-ene

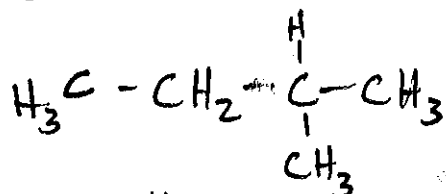
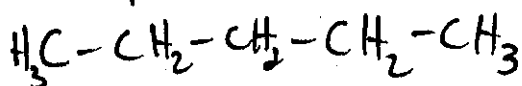


e) trans 1,2 dibromoethene

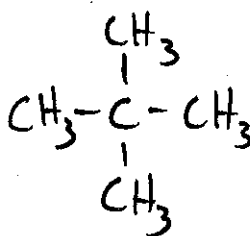


15. Write the structural formulas and names for all of the possible isomers of C<sub>5</sub>H<sub>12</sub>.

pentane



2-methylbutane



2,2-dimethyl propane