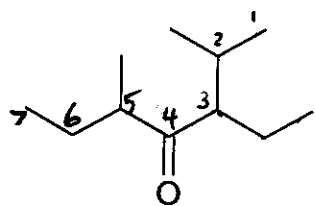


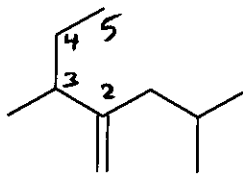
Name: _____

SCH 4U Nomenclature Mini-Assignment

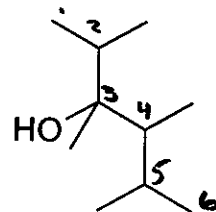
1. Provide complete I.U.P.A.C. name for each of the following structures:



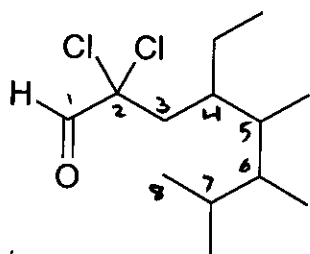
3-ethyl-2,5-dimethyl-4-heptanone



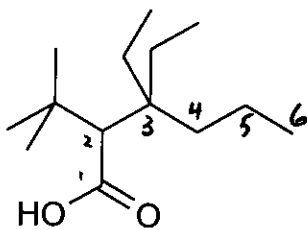
2-isobutyl-3-methyl-1-pentene



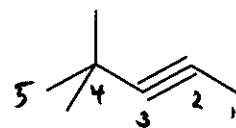
2,3,4,5-tetramethyl-3-hexanol



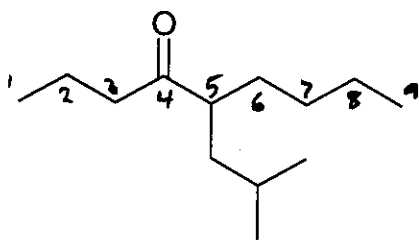
2,2-dichloro-4-ethyl-5,6,7-trimethyloctanal



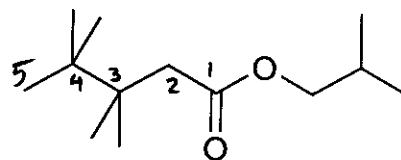
3,3-diethyl-2-tert-butylhexanoic acid



4,4-dimethyl-2-pentyne


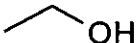






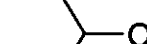
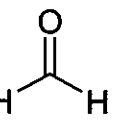
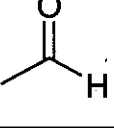


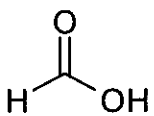
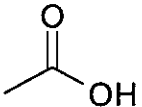
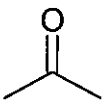
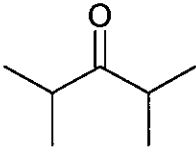
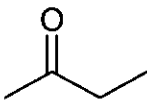
5-isobutyl-4-nonanone



isobutyl 3,3,4,4-tetramethylpentanoate

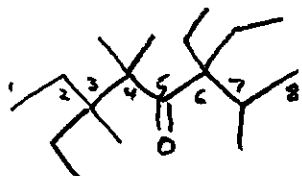
2. Write both common and I.U.P.A.C names for each of the following:

	Common Name	I.U.P.A.C. Name
	methyl alcohol	1-methanol
	ethyl alcohol	1-ethanol
	propyl alcohol	1-propanol
	isopropyl alcohol	2-propanol
	butyl alcohol	1-butanol
	isobutyl alcohol	2-methyl-1-propanol
	secbutyl alcohol	2-butanol
	t-butyl alcohol	2-methyl-2-propanol
	formaldehyde	methanal
	acetaldehyde	ethanal

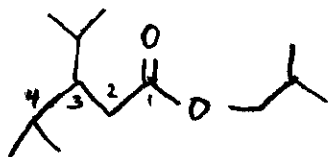
	formic acid	methanoic acid
	acetic acid	ethanoic acid
	dimethyl ketone acetone	2-propanone
	diisopropyl ketone	2,4-dimethyl-3-pentanone
	ethyl methyl ketone	2-butanone

3. For each of the following, write the full structure intended by the name and if necessary write the correct name as per the I.U.P.A.C. rules:

a) 3,4,4,7-tetramethyl-3,6,6-triethyl-5-octanone



b) isobutyl 4,4-dimethyl-3-isopropylbutanoate



name should be

isobutyl 3-isopropyl-4-methylpentanoate