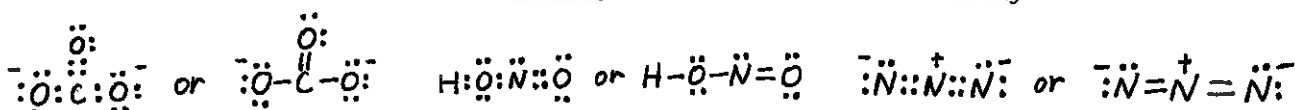


Quiz #1 Name Answer Key

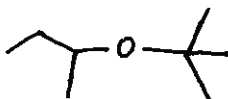
There is a total of 15 points for this quiz.

Answer all questions in the space provided.

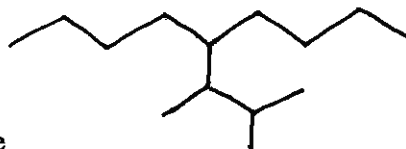
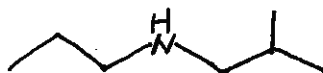
[I] Draw a Lewis structure for each of the following species. (1 point each)



[II] Draw a skeletal structure for each of the following compounds. (1 point each)

a. *sec*-butyl *tert*-butyl ether

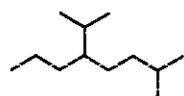
b. 5-(1,2-dimethylpropyl)nonane

c. 2-methyl-*N*-propyl-1-propanamine

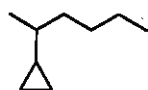
[III] What is the hybridization of the atoms (other than hydrogen) in each of the following species? (1 point each)

 sp^3  sp^2  sp^2

[IV] What is each compound's systematic name? (1 point each)

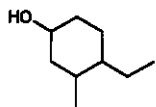


2-methyl-5-(1-methylethyl)octane

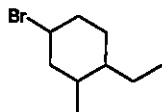


2-cyclopropylhexane

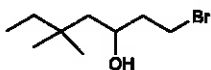
Quiz #1



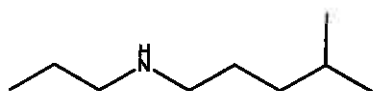
4-ethyl-3-methylcyclohexanol



4-bromo-1-ethyl-2-methylcyclohexane



1-bromo-5,5-dimethyl-3-heptanol
or 1-bromo-5,5-dimethylheptan-3-ol



4-methyl-N-propyl-1-pentanamine
or 4-methyl-N-propylpentan-1-amine