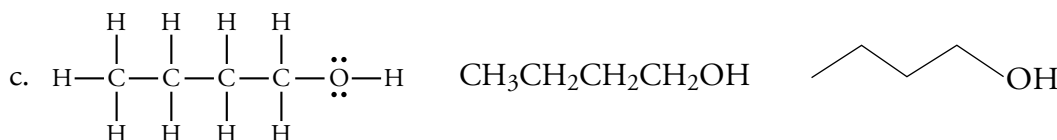
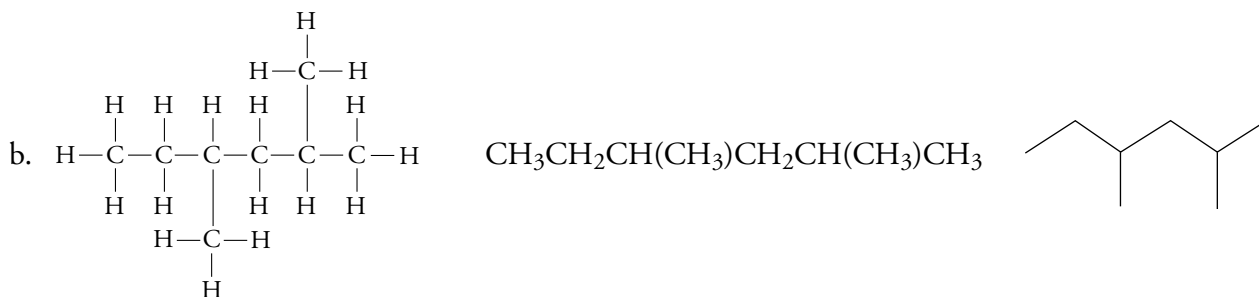
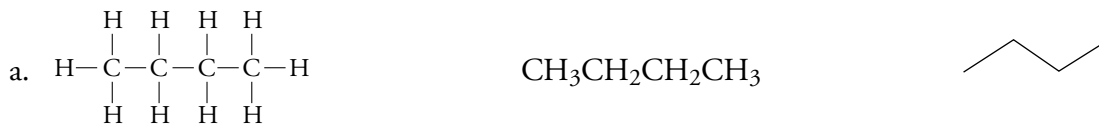
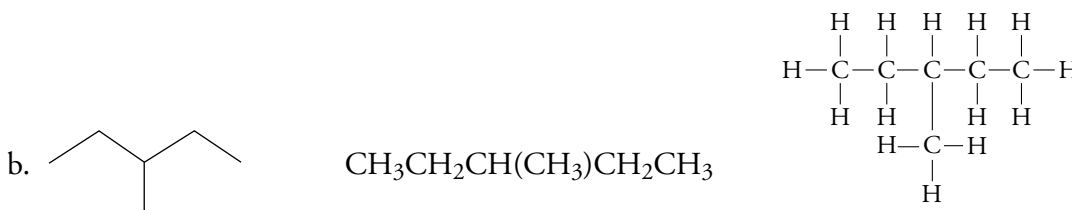
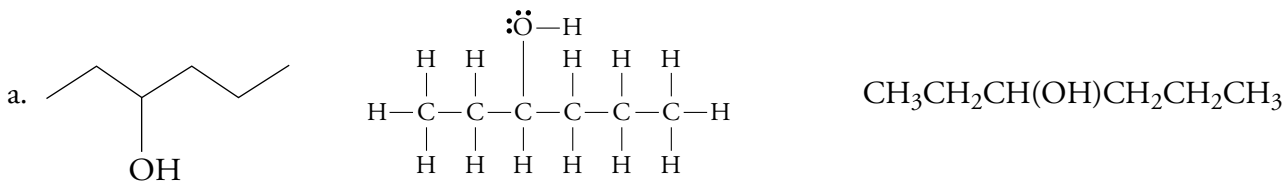


Ways to Describe Organic Compounds Key

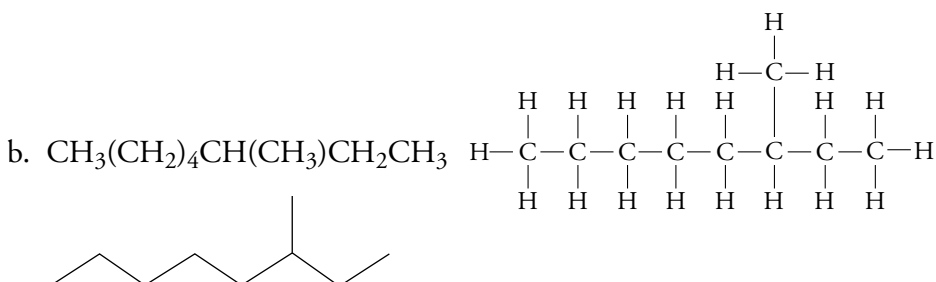
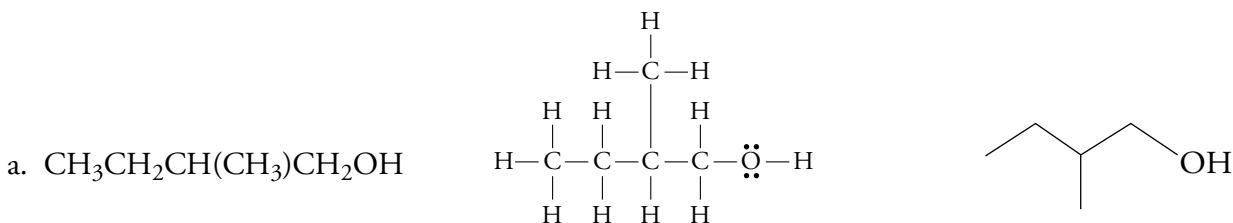
1. Write condensed formulas and line drawings to represent the following Lewis structures.



2. Write Lewis structures and condensed formulas to represent the following line drawings.

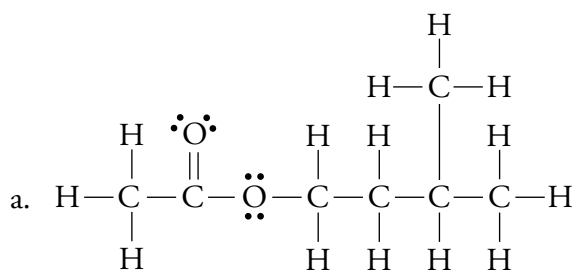


3. Write Lewis structures and line drawings to represent the following condensed formulas.

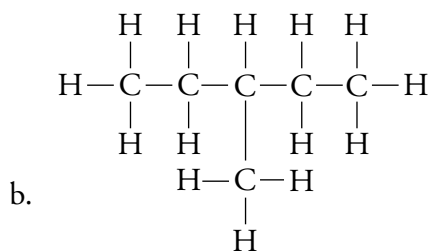


Types of Organic Compounds Key

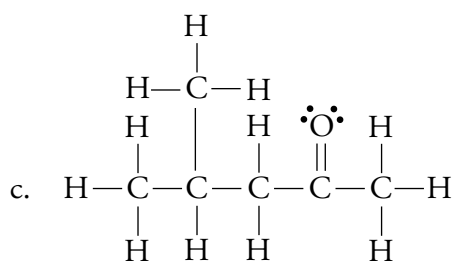
1. Identify each of these Lewis structures as representing either an alkane, alkene, alkyne, arene (aromatic), alcohol, carboxylic acid, aldehyde, ketone, ether, ester, amine, or amide.



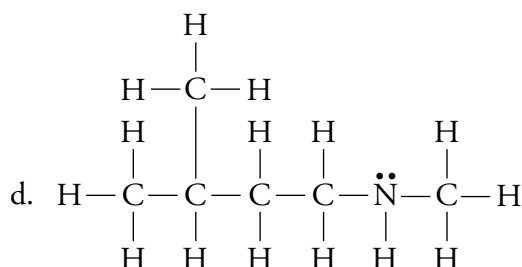
ester



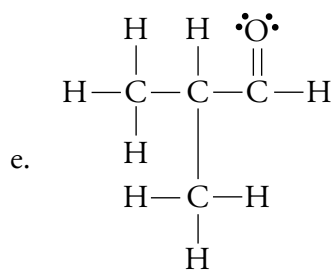
alkane



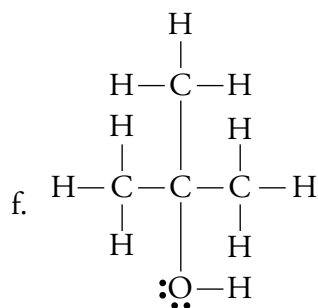
ketone



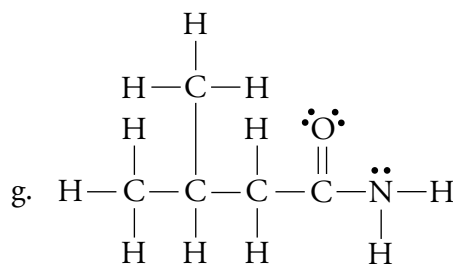
amine



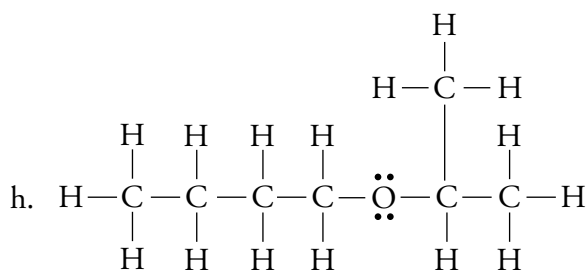
aldehyde



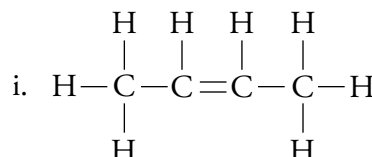
alcohol



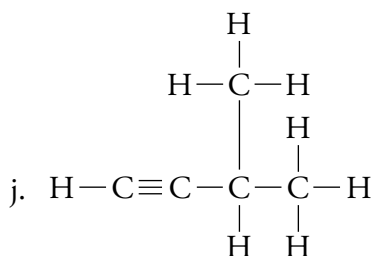
amide



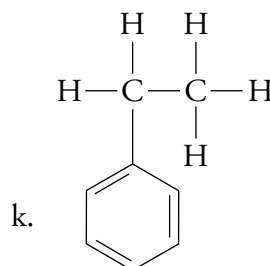
ether



alkene



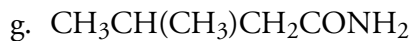
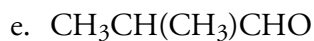
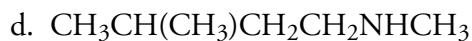
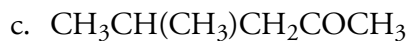
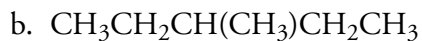
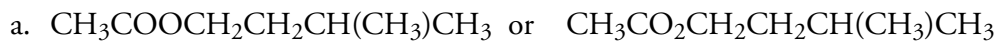
alkyne



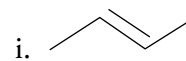
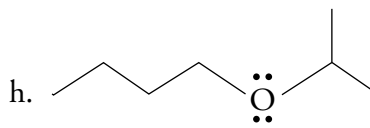
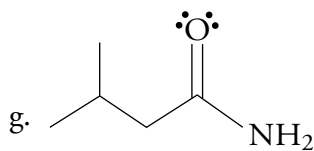
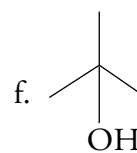
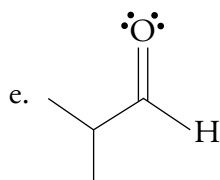
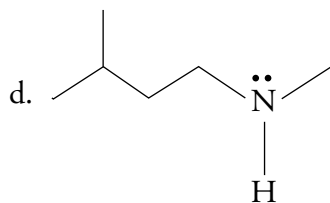
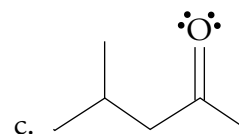
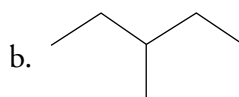
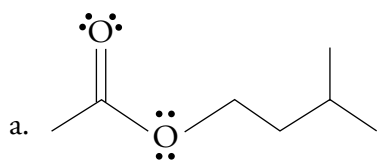
arene

2. Write condensed chemical formulas to represent the Lewis structures in parts a through j of problem 1.

(For example, 2-propanol can be described as $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$.)

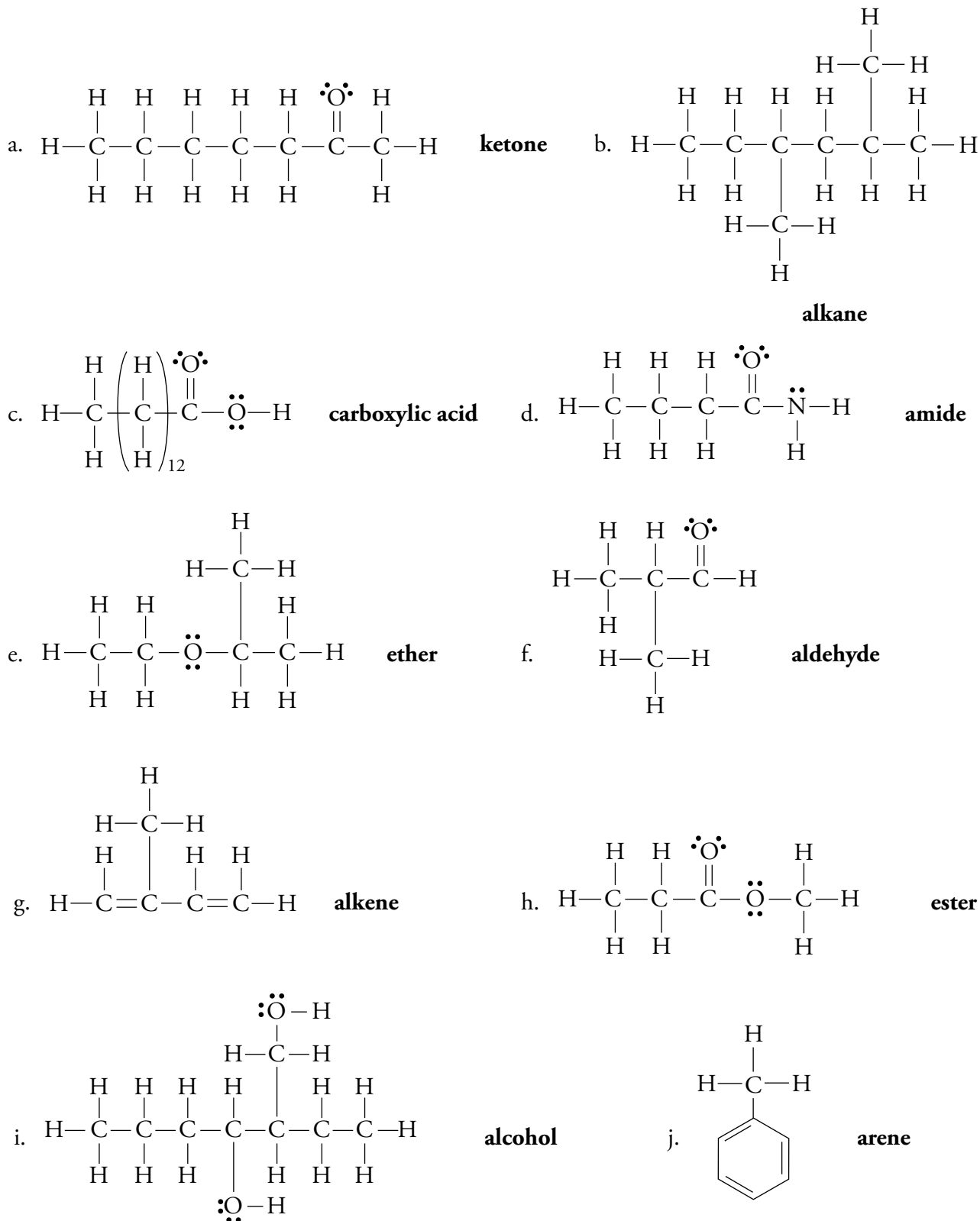


3. Write line drawings to represent the Lewis structures in parts a through i of problem 1.



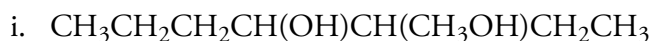
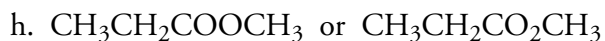
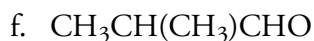
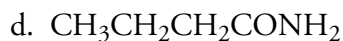
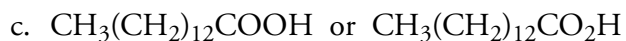
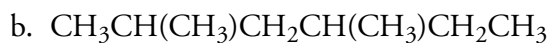
Chemistry 151 - Types of Organic Compounds Key

1. Identify each of these Lewis structures as representing an alkane, alkene, alkyne, arene (aromatic), alcohol, carboxylic acid, aldehyde, ketone, ether, ester, amine, or amide.

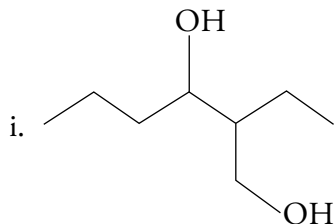
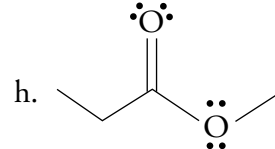
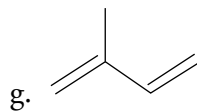
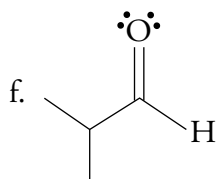
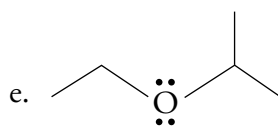
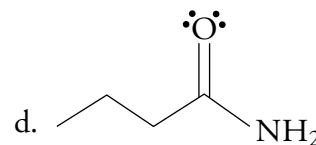
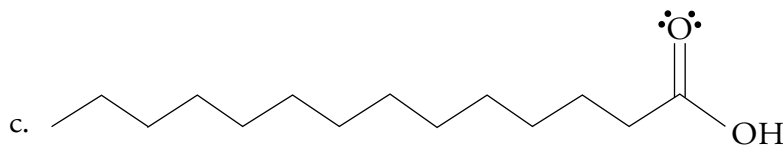
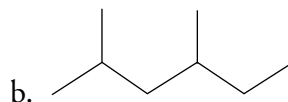
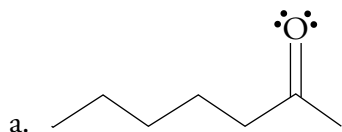


2. Write condensed chemical formulas to represent the Lewis structures in parts a through i of problem 1.

(For example, 2-propanol can be described as $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$.)



3. Write line drawings to represent the Lewis structures in parts a through i of problem 1.



Chemistry 151 - Biomolecules Worksheet Key

Identify each of the following structures as representing a carbohydrate, amino acid, peptide, protein, triglyceride, or steroid.

