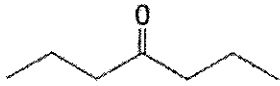
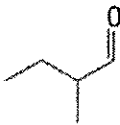


Pre Assessment Organic Chemistry:

Fill in the table below:

[KU] [Comm]

Name	Condensed structure	Line diagram or structural formula	Type of compound
	$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CHO}$		
	$\text{CH}_3\text{CH}_2\text{COCH}_2\text{CH}_3$		
1-chlorobutan-2-one			
3-methylpentanal			

Communication Question: Explain, using examples, how Markovnikov's rule applies to an alkene compound.

Application Questions: A number of spices have distinctive flavorings, which organic compounds are responsible for each one, you may use the Internet to determine each compound.

Thinking Question: Draw a chemical equation, showing structural formulas, for the addition reaction that forms butan-2-ol.

Thinking Question: Explain, using a chemical equation, the dehydration of pentanol.

Application Questions: Research using your resources the active ingredients in rotten eggs.

Thinking Illustrate the production of 2 methylpropanoic acid from an aldehyde.

Communication Question: Why are $C_n H_{2n+2}$; $C_n H_{2n}$; $C_n H_{2n-2}$ used, what purpose does this representation have?

Communication Question: What does IUPAC stand for? What does this organization do, in this case organic chemistry? Does this organization serve a useful purpose, explain with reasons, why or why not?

1. Write the name of each of the following compounds:

