

Draw these compounds.

$$\begin{array}{ccccccccccc} & | & & | & & | & & | & & | & \\ -C- & C- & C- & C- & C- & C- & C- & C- & C- & C- & \\ & | & & | & & | & & | & & | & \end{array}$$

O

$$-\overset{\text{H}}{\underset{\text{H}}{\text{C}}}-\overset{\text{H}}{\underset{\text{H}}{\text{C}}}-\overset{\text{H}}{\underset{\text{D}}{\text{C}}}-\text{O}-\overset{\text{H}}{\underset{\text{H}}{\text{C}}}-\overset{\text{H}}{\underset{\text{H}}{\text{C}}}-\overset{\text{H}}{\underset{\text{H}}{\text{C}}}-$$

propanoic acid

CC(N)C(=O)O
$$\begin{array}{ccccccc} | & | & | & | & | & | & | \\ C - C - C - C - C - C - C - C - OH \\ | & | & | & | & | & | & | \\ & & & & & C - & \end{array}$$

yl pentanal

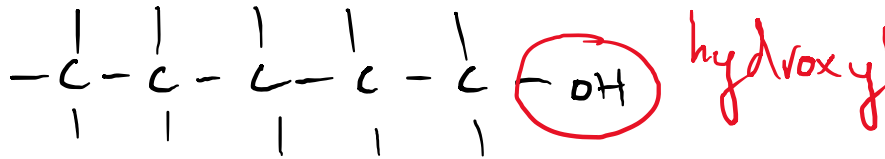
$$\begin{array}{ccccccc} & | & & | & & | & & | \\ - & C & - & C & - & C & - & C & - & C & - & H \\ & | & & | & & | & & || \\ & & & -C- & & & & O \end{array}$$

14. 2,4 di amino 1 butono

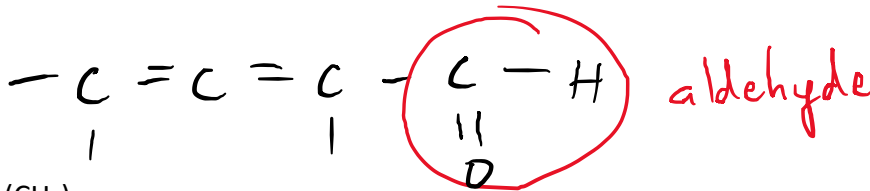
$$\begin{array}{ccccccc} & | & & & | & & | \\ C = C & - & C & - & C & - & \\ & | & & & | & & | \\ & N & & & N & & \\ & / \quad \backslash & & & / \quad \backslash & & \\ H & & H & & H & & H \end{array}$$

Name and draw structural formulae for each of the following:

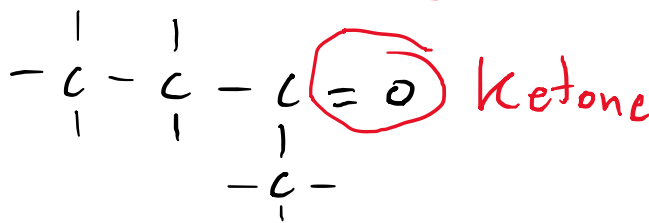
pentanol



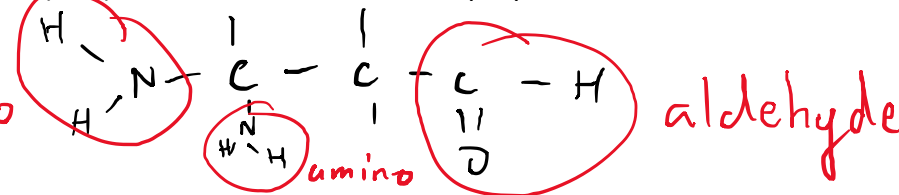
butanal



butone



9


$$\begin{array}{ccccccc} - & C & - & C & - & C & - & C & - & C & - & O & - & C & - & C & - \\ & | & & | & & | & & | & & | & & | & & | & & | & \\ & & & & & & \text{II} & & & & & & & & & & \text{ester} \\ & & & & & & O & & & & & & & & & & \end{array}$$
$$\begin{array}{ccccccc} & | & & | & & | & \\ -C & -C & -C & -C & -O & -C & -C & -C- \\ & | & & | & & | & \end{array} \quad \text{ether}$$
$$\begin{array}{c} | & | & | & \text{OH} \\ -C- & -C- & -C- & -C- \\ | & | & | & // \\ & & & O \end{array} \quad \text{Carboxyl}$$
$$\begin{array}{c} 1 \quad 1 \quad 1 \\ C - C - C - \end{array}$$

~~SBT4U~~

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For each structural formula, circle and identify each functional group.