

Given the formula for an organic compound:

HHHHHO

H-C-C-C-C-C-OH

HHHHHH

This compound is classified as an
a. Aldehyde
b. Amine
c. Ester
d. Organic acid

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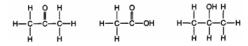
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What is the total number of carbon atoms in a molecule of ethanoic acid?

a. 1
b. 2
c. 3
d. 4

Question 3

Given the three organic structural formulas shown below:



Which organic compound classes are represented by these structural formulas, as shown from left to right?

- a. ester, organic acid, ketone
- b. Ester, aldehyde, organic acid
- c. Ketone, aldehyde, alcohol
- d. Ketone, organic acid



Given the formulas of four organic compounds:

Which pair below contains an alcohol and an acid?

- a. a and
- b. a and c
- c. b and d
- $d.\ c\ and\ d$

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Question 5

Given the formula for an organic compound:

c-c-c-c-c-c-c-c-

What is the name given to the group in the box?

- a. Butyl
- b. Ethyl
- c. Methyl
- d. Propyl

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Given the formula:

What is the chemical name of this compound?

- a. Propane
- b. Propanal
- c. Propanol
- d. propanone

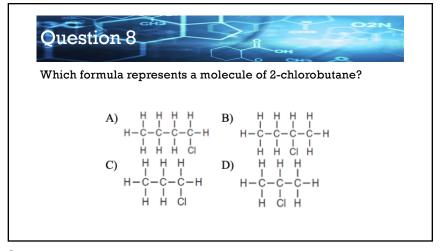
A chemical name for this compound is

Given the formula for a compound:

- a. Butanal
- b. Butanol
- c. Butanone
- d. Butanoic acid

Question 7

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Question 9

Which class of compounds contains at least one element from Group 17 of the Periodic Table?

- a. Aldehyde
- b. Amine
- c. Ester
- d. Halide

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Ethanoic acid and 1-butanol can react to produce water and a compound classified as an

- a. Aldehyde
- b. Amide
- c. Ester
- d. Ether



The reaction between an organic acid and an alcohol produced

- a. An aldehyde
- b. A ketone
- c. An ether
- d. An ester

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Which class of organic compound contains nitrogen?

- a. Aldehyde
- b. Alcohol
- c. Amine
- d. Ether

Question 13

Given the formula:

This compound is classified as

- a. An aldehyde
- b. An amide
- c. An amine
- d. A ketone

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Which compound is classified as an ether?

- a. CH₃CHO
- b. CH₃OCH₃
- c. CH₃COCH₃
- d. CH₃COOCH₃



Given the structural formula:

The compound represents by this formula can be classified as an

- a. Organic acid
- b. Ether
- c. Ester
- d. Aldehyde

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