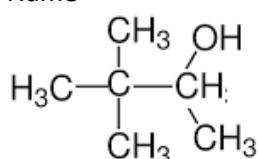


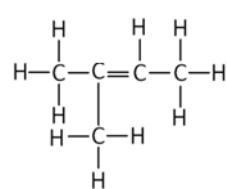
Naming organic molecules

1)

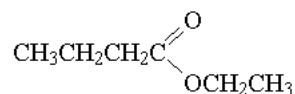
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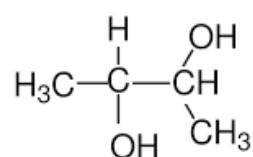
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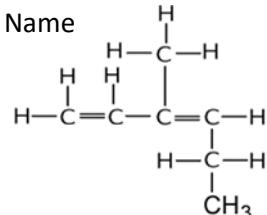
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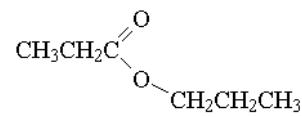
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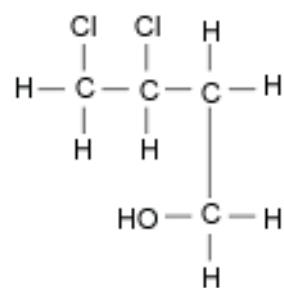
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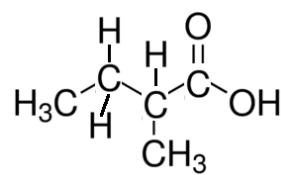
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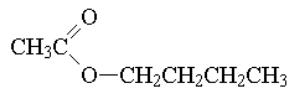
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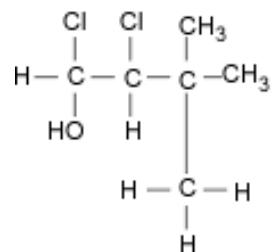
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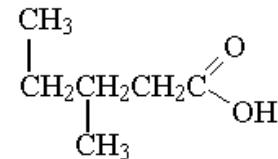
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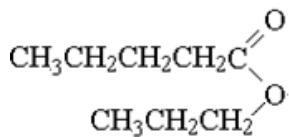
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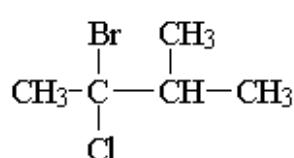
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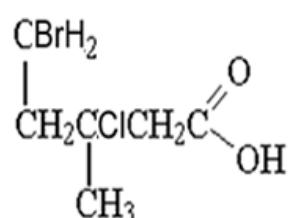
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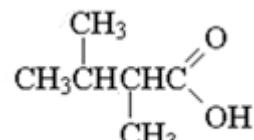
Name



Name



Name



2)

3-methylpent-1-yne

Butan-1,3-diol

2-methylpent-2,3-diene

3-ethylhept-2-ene

Pent-2,3-diene

2,3-dichlorobutanoic acid

1,3-dibromo-4-methylhexane

2-methylbutanoic acid

ethyl hexanoate

2,4-dibromopentanoic acid

Propyl butanoate

2,4-dibromopent-2,3-diene

2,3-dichlorobutanoic acid

4,2-dichlorohexan-2-ol

5-methylhept-3-yne

3) Correct the following names by rewriting them in the correct format.

- i. The compound 1,2-dibromo ethane
- ii. The ester called Hexanol butanoic
- iii. The compound 3-ethylpropan-1-ol
- iv. The compound called 4-methylbutan-2-ol
- v. An ester written as metholbutyric
- vi. A compound named 3,4dimethylpentan-1-ol
- vii. An alkene called prop-2-ene
- viii. An alkene called but-4-ene
- ix. The carboxylic acid 1-pentanoic acid
- x. The compound propan-3-ol

4) Draw the structural formula and name two isomers with the molecular formula C<sub>3</sub>H<sub>6</sub>O<sub>2</sub>

|      |      |
|------|------|
| Name | Name |
|------|------|

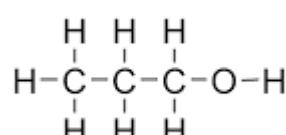
5) Below are the structural formulae of a select number of molecules. Name:

- the functional group present
- the homologous group to which they belong
- the next compound in the series

a) Functional group \_\_\_\_\_

b) Homologous series \_\_\_\_\_

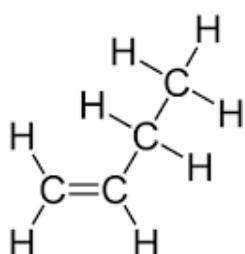
c) Next molecule in the series \_\_\_\_\_



a) Functional group \_\_\_\_\_

b) Homologous series \_\_\_\_\_

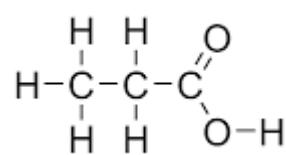
c) Next molecule in the series \_\_\_\_\_



a) Functional group \_\_\_\_\_

b) Homologous series \_\_\_\_\_

c) Next molecule in the series \_\_\_\_\_



a) Functional group \_\_\_\_\_

b) Homologous series \_\_\_\_\_

c) Next molecule in the series \_\_\_\_\_

