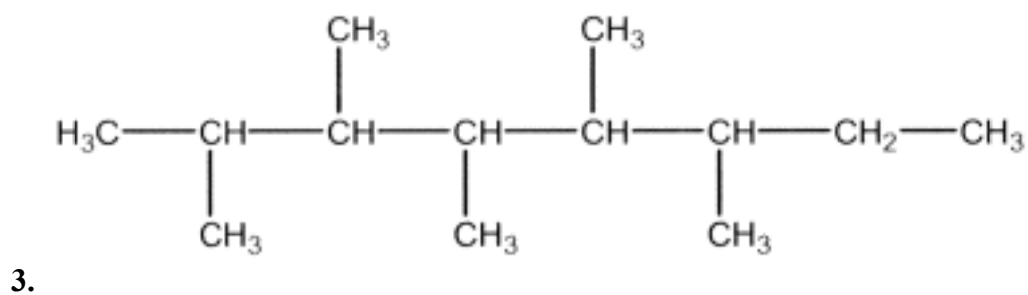
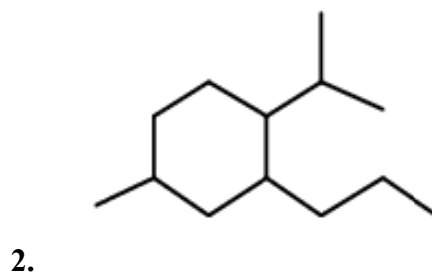
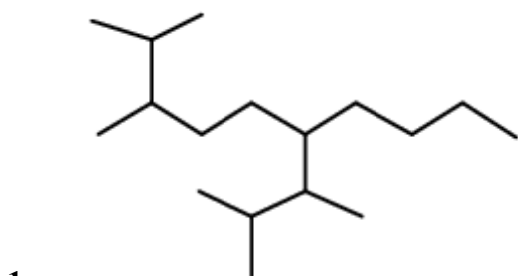


Organic Nomenclature Review

ALKANES

Write the names for the following.



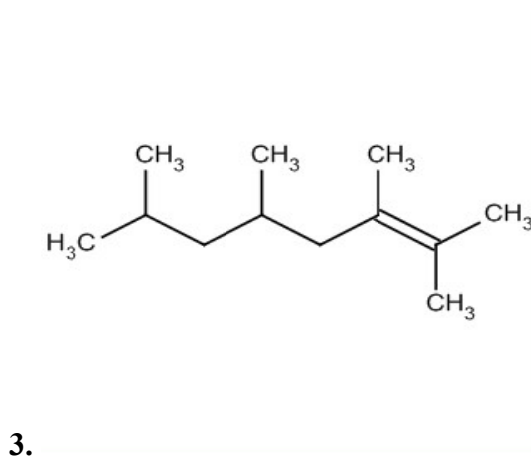
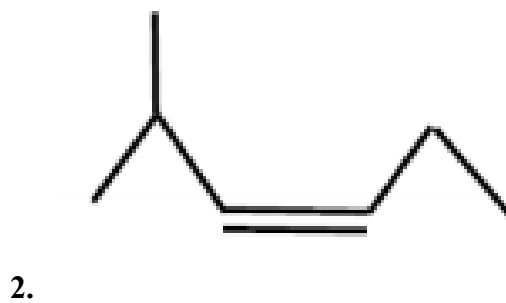
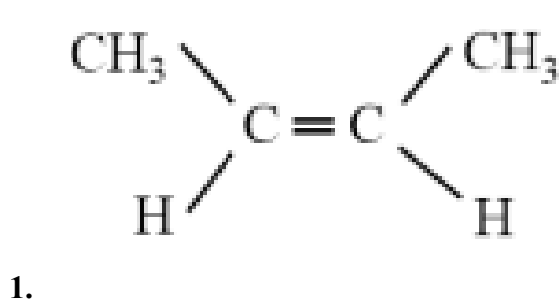
Draw the structures for the following.

4. 2,2,3-trimethylbutane

5. cyclohexane

ALKENES

Write the names for the following.



Draw the structures for the following.

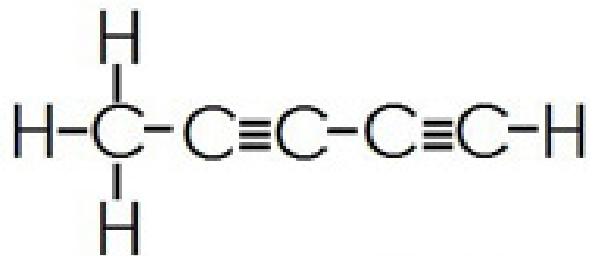
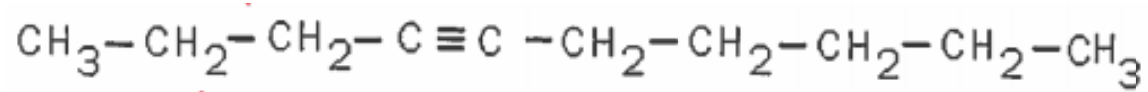
4. trans-hex-3-ene

5. 2-methyl-pent-1-ene

ALKYNES

Write the names for the following.

1.



2.

Draw the structures for the following.

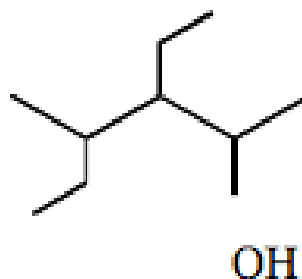
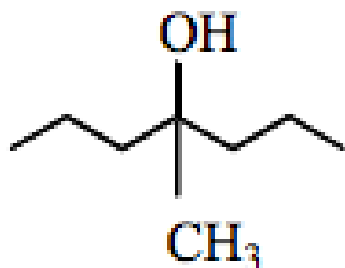
3. pent-3-ene-1-yne

4. 3,3-dimethyl-1-butyne

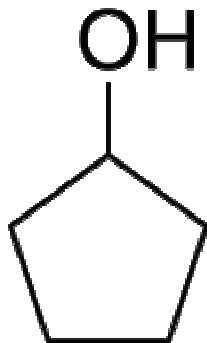
5. penta-1,3-diyne

ALKANOLS

Write the names for the following and state if they are primary, secondary, or tertiary.



1.



2.

3.

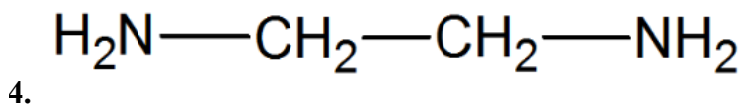
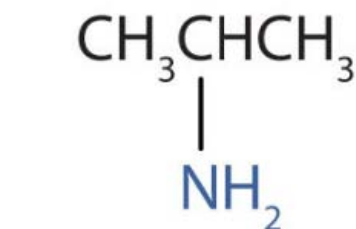
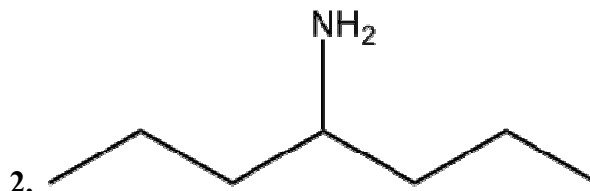
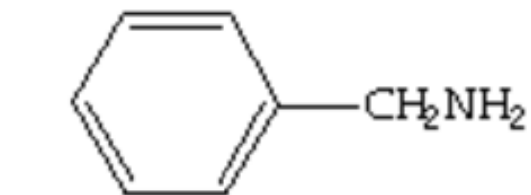
Draw structures for the following and state if they are primary, secondary, or tertiary.

4. 3-ethyl-1-pentanol

5. propan-2-ol

AMINES

Write the names for the following and state if they are primary, secondary, or tertiary.



Draw the structure for the following and state if it is primary, secondary, or tertiary.

5. dimethylamine

NITRILES

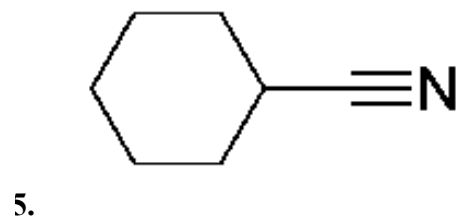
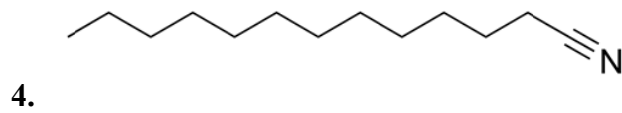
Draw the structures for the following.

1. pentnitrile

2. 3,7-dimethylnonanenitrile

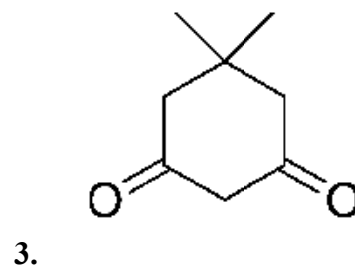
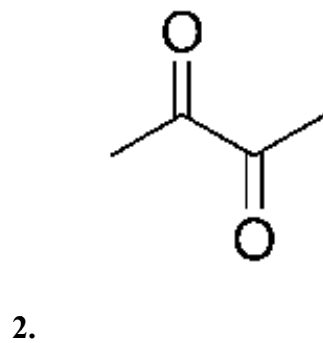
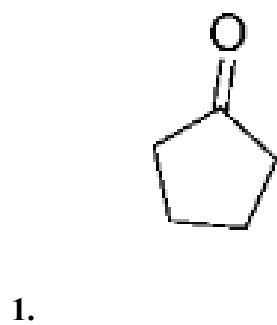
3. ethanenitrile

Write the names for the following.



ALKANONES

Write the names for the following.



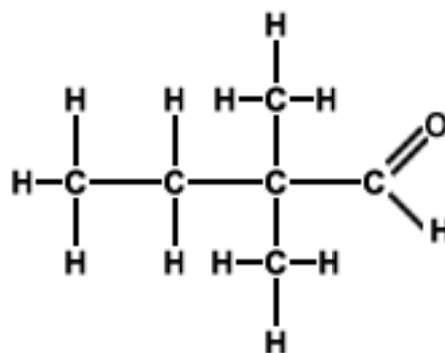
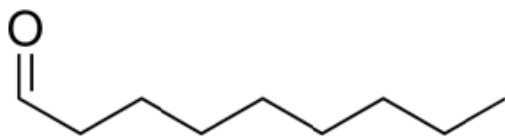
Draw the structures for the following.

4. cyclobutanone

5.cyclohepta-1,3-dione

ALKANALS

Write the names for the following.



1.

2.

Draw the structures for the following.

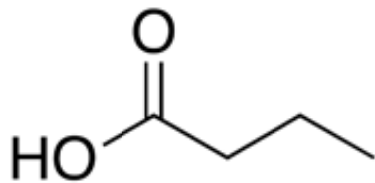
3. ethanol

4. 2-methylpropanal

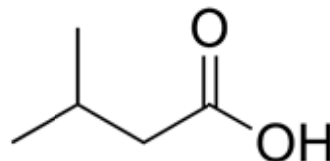
5. 3-bromo-3-methylbutanal

ALKANOIC ACIDS

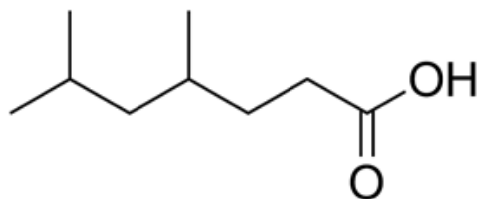
Write the names for the following.



1.



2.



3.

Draw the structures for the following.

4. methanoic acid

5. butanedioic acid

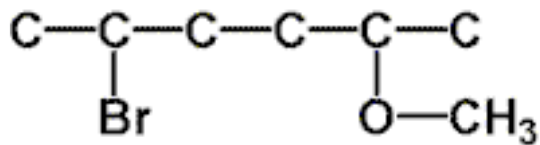
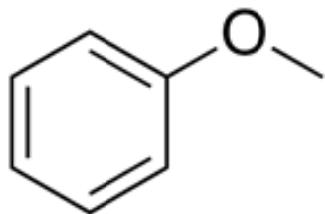
ETHERS

Draw the structures for the following.

1. ethoxyethane

2. 1-butoxybutane

Write the names for the following.



ESTERS

Draw the structures for the following.

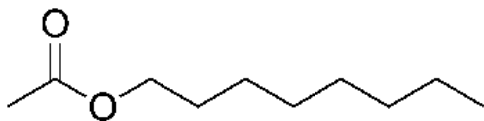
1. ethyl benzoate

2. butylethanoate

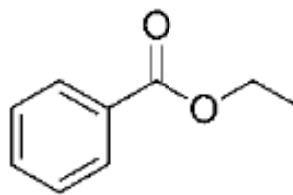
3. ethylbutanoate

Write the names for the following.

4.

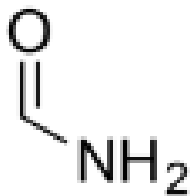


5.

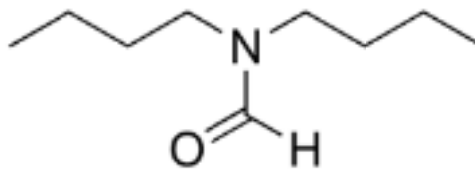


AMIDES

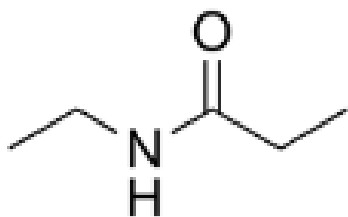
Write the names for the following.



1.



2.



3.

Draw structures for the following.

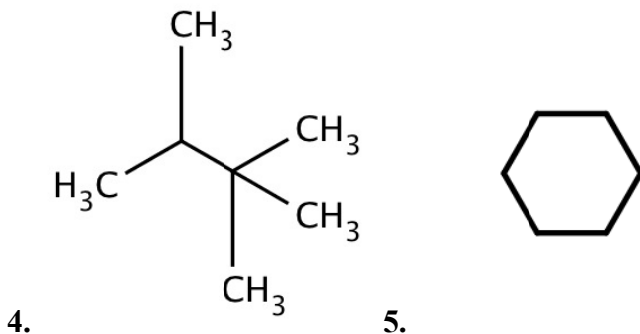
4. ethanamide

5. methanamide

Answers

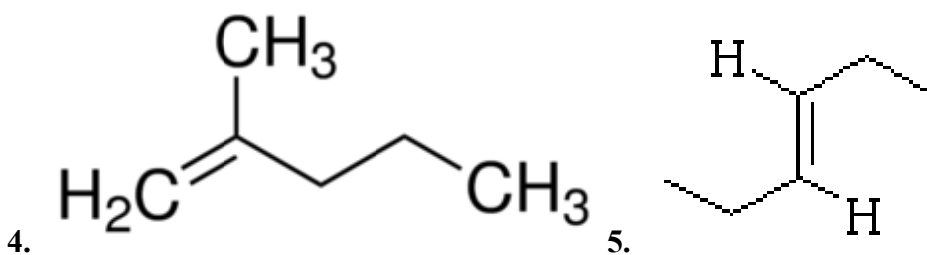
ALKANES

1. 6-ethyl-2,3-dimethyldecane 2. 3. 2,3,4,5,6-pentamethyloctane



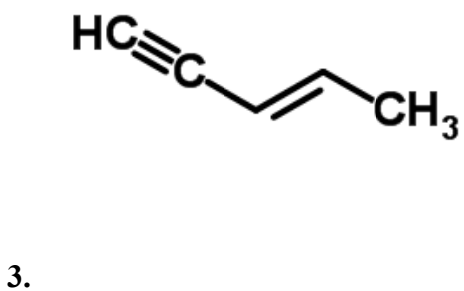
ALKENES

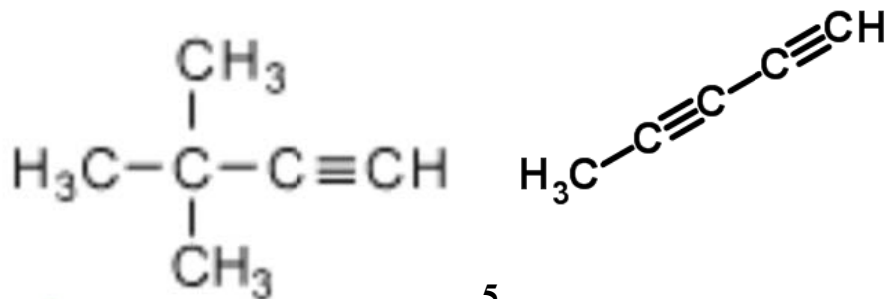
1. cis-but-2-ene 2. cis-2-methyl-hex-3-ene 3. 2,3,5,7-tetramethyloct-2-ene



ALKYNES

1. 4-decyne 2. 2,4-pentyne



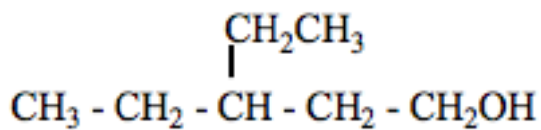


4.

5.

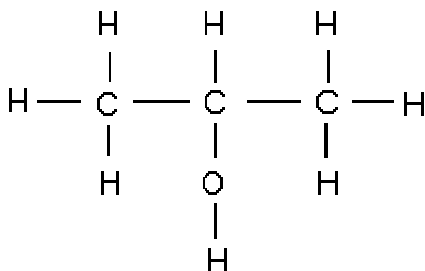
ALKANOLS

1. 4-methyl-4-heptanol; secondary 2.3-ethyl-4-methyl-2-hexanol; primary



3.cyclopentanol; secondary

4. ; primary

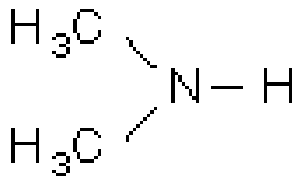


5.

; secondary

AMINES

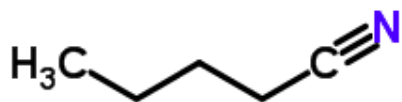
1.benzylamine; primary 2.4-aminoheptane; primary 3.propan-2-amine; primary 4. ethane-



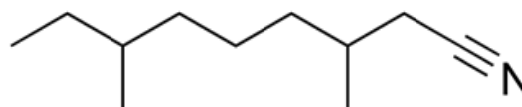
1,2-diamine; primary

5. ; secondary

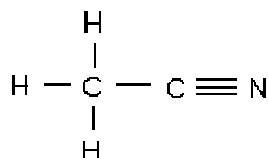
NITRILES



1.



2.

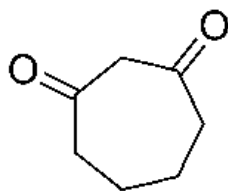
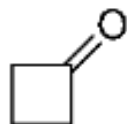


3.

4. tridecanenitrile 5. cyclohexanecarbonitrile

ALKANONES

1. cyclopentanone 2. butane-2,3-dione 3. 5,5-dimethylcyclohexane-1,3-dione 4.



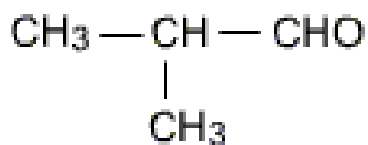
5.

ALKANALS

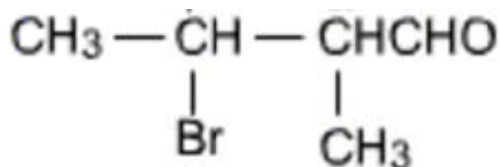
1. nonanal 2. 2,2-dimethylbutanal



3.



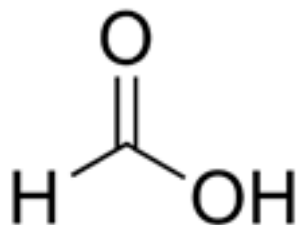
4.



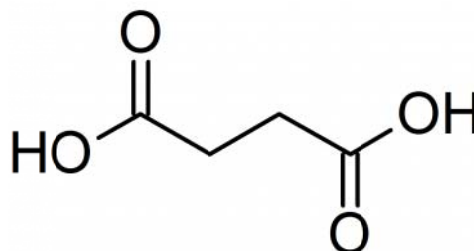
5.

ALKANOIC ACIDS

1. butanoic acid 2. 3-methylbutanoic acid 3. 4,6-dimethylheptanoic acid

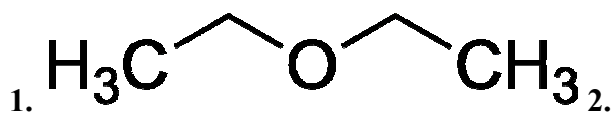


4.

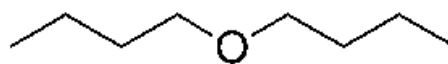


5.

ETHERS

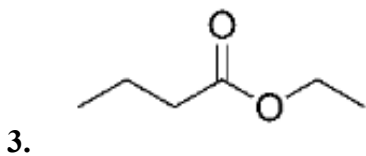
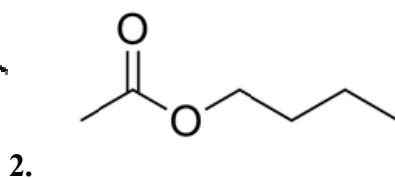
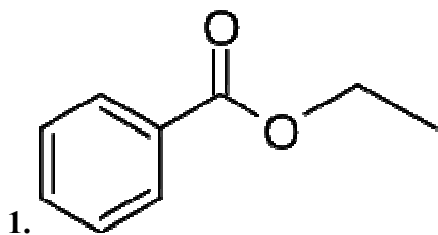


methoxybenzene 4. methoxymethane 5. 2-bromo-5-methoxyhexane



3.

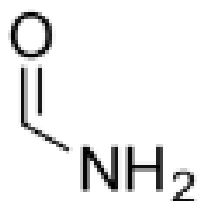
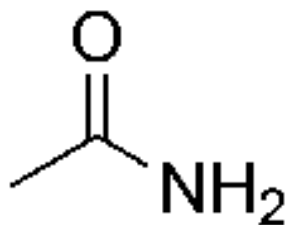
ESTERS



4. octylethanoate 5. ethyl benzoate

AMIDES

1. N,N-dimethylmethanamide 2. N,N-dibutylmethanamide 3. N-ethylpropanamide 4.



5.