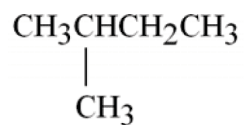
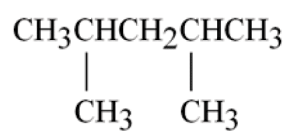


Organic Chemistry Molecules WS

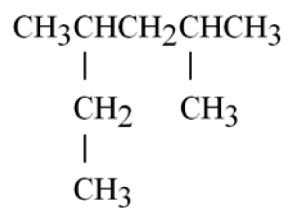
1. Name the following molecule.



2. Name the following molecule.



3. Name the following molecule.

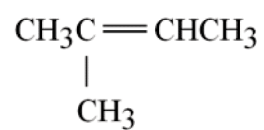


4. Draw the structural formula for 2,2-dimethylpropane.

5. Draw the structural formula for 3-ethyl-4-methylheptane.

6. Give the name of the molecule  $\text{CH}_3\text{CH}=\text{CHCH}_2\text{CH}_3$ .

7. Give the name of the following molecule:

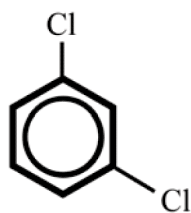


8. Name the molecule  $\text{CH}_3\text{C}\equiv\text{CCH}_2\text{CH}_3$ . (This has a triple bond between the 2nd and 3rd carbon.)

9. Draw the structural formula for 3-methyl-2-hexene.

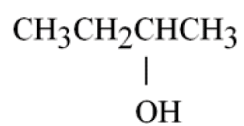
10. Draw the structural formula for 4-ethyl-2-octyne.

11. Name the molecule below.



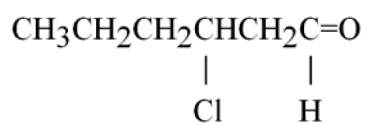
12. Draw the structural formula for 2-phenylpropane.

13. Give the name for the following molecule.

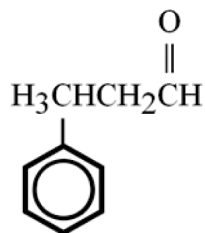


14. Write the structural formula for 3-isopropyl-3-heptanol.

15. Name the following compound.



16. Name the following compound. The structure on the far left should say CH<sub>2</sub> (not H<sub>3</sub>CH).



17. Draw the structural formula for pentanal.

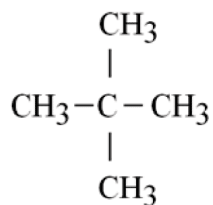
18. Draw the structural formula for propanone.

19. Name the following compound.  
 $\text{CH}_3\text{COOH}$

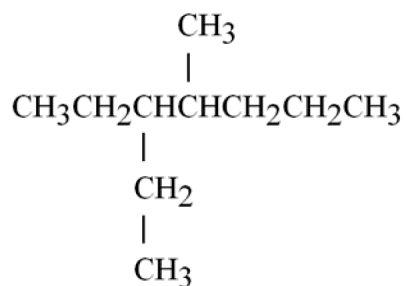
20. Draw the structural formula for 3-ethylhexanoic acid.

## Answer Key

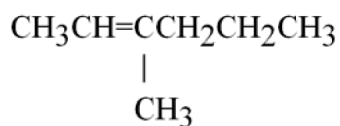
1. 2-methylbutane
2. 2,4-dimethylpentane
3. 2,4-dimethylhexane
4. The structural formula is:



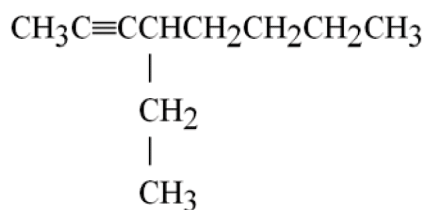
5. The structural formula is:



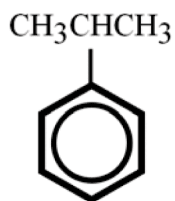
6. 2-pentene
7. 2-methyl-2-butene
8. 2-pentyne
9. The structural formula is:



10. The structural formula is:

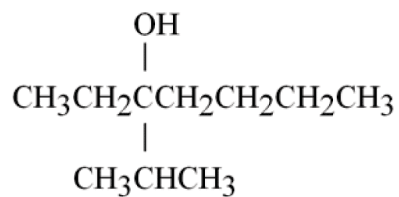


11. 1,3-dichlorobenzene or *m*-dichlorobenzene
12. The structural formula is:



13. 2-butanol

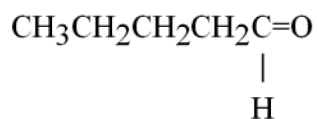
14. The structural formula is:



15. 3-chlorohexanal

16. 3-phenylpropanal

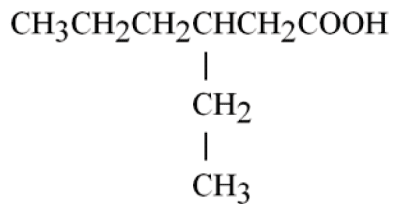
17. The structural formula is:



18. propanone (acetone)

19. ethanoic acid (acetic acid)

20. The structural formula is:



## Standards Summary