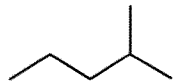
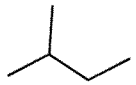
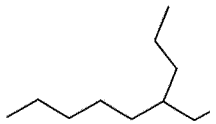
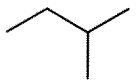
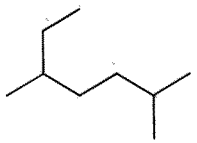
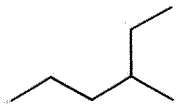
SCH 4U0
Unit: Hydrocarbons
Worksheet: Alkanes

Name: Answers
Date: _____

Worksheet: Naming and Drawing Alkanes

For each alkane w

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 

IUPAC name

hylpentane

ethylbutane

tane

ethylpropane

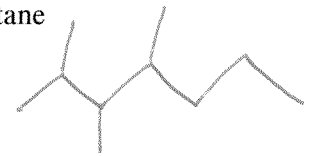
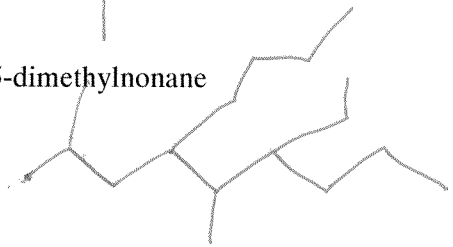
ylnonane

thylbutane

limethylheptane

thylhexane

For each, draw a structural diagram (line, condensed or complete)

1. 2-methlypentane 
2. 2,3,4-trimethylheptane 
3. 4-butyl-6-ethyl-2,5-dimethylnonane 
4. octane 
5. 2,3-dimethylbutane
6. 3,3-dimethylhexane 
7. 3-ethyl-3-methylhexane 
8. 5,5-diethyl-2,2,4,4-tetramethyloctane 


SCH 3U0
Unit: Hydrocarbons
Worksheet: Alkenes

Name: Answers
Date: _____

Worksheet: Naming and Drawing Alkenes

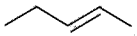
For each alkene w

UPAC name

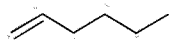
For each, draw a structural diagram (line, condensed or complete)

1. 

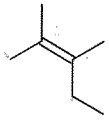
ene

2. 

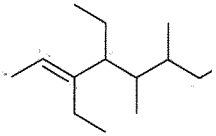
entene

3. 

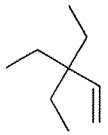
xene

4. 

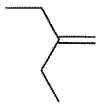
ethyl-2-pentene

5. 

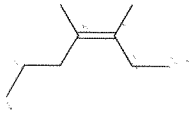
-5,6-dimethyl-trans-2-octene

6. 

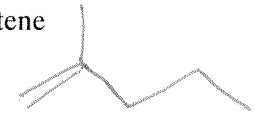
-1-pentene

7. 

-1-butene

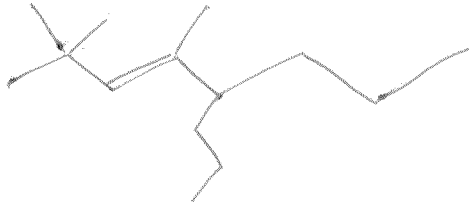
8. 

thyl-cis-3-heptene

9. 2-methyl-1-pentene 

10. 2-butene 

11. 3-ethyl-2-pentene 

12. trans-2,2,4-trimethyl-5-propyl- 3-octene 

13. cis-2-butene 

14. trans-4,4-dimethyl-2-hexene 

15. 3-ethyl-3-methyl-1-hexene 

16. 3-ethyl-2-pentene 

SCH 3U0
Unit: Hydrocarbons
Worksheet: Alkynes an

Name: Answers
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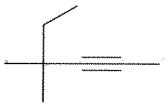
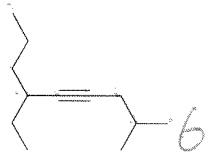
ksheet: Naming and Drawing Alkynes and Cyclic Hydrocarbons

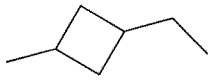
For each write the **ame**

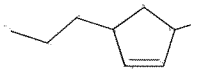
1.  yne

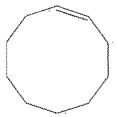
2.  ethyl-2-pentyne

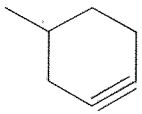
3.  yne

4.  methyl-4-nonyne

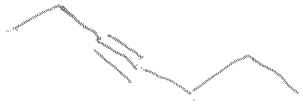
5.  -ethyl-cyclobutane

6.  ropyl-cyclopentene

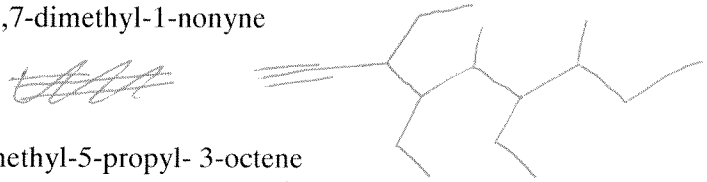
7.  decene

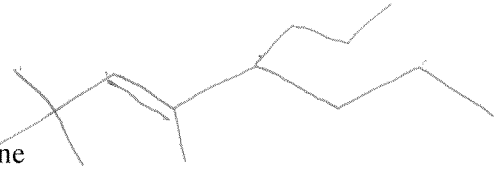
8.  cyclohexyne

For each, draw a structural diagram (line, condensed or complete)

17. 3-heptyne 

18. 4-methyl-2-pentyne 

19. 3,4,6-triethyl-5,7-dimethyl-1-nonyne 

20. trans-2,2,4-trimethyl-5-propyl- 3-octene 

21. 4-octyne 

22. 1-methylcyclohexane 

23. 3,5-dimethylcyclohexene 

24. cyclopropane