

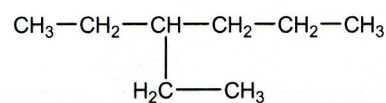
Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

Key

## Unit 3A.9 Supplement: Naming Branched Alkanes

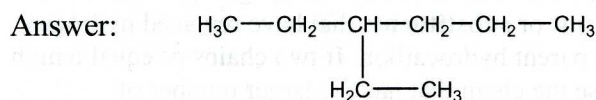
In this activity, you will either give the name for a molecule or write a condensed formula for the name.

Example 1:

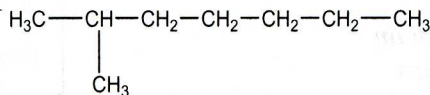


Answer: The longest chain is 6 carbons with a 2-carbon branch on the third carbon. 3-ethylhexane

Example 2: 3-ethylhexane

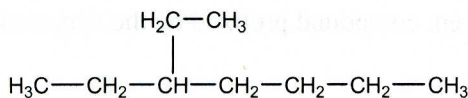


1.



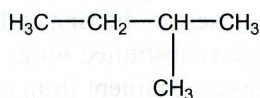
1. 2-methyl heptane

2.



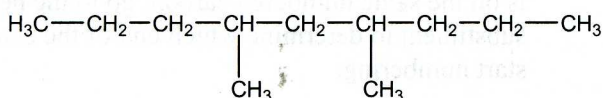
2. 3-ethyl heptane

3.



3. 2-methylbutane

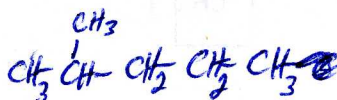
4.



4. 4,6-dimethylnonane

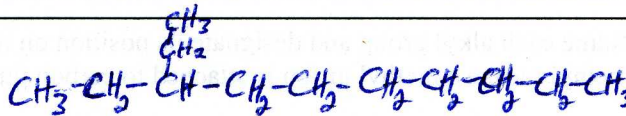
5. 2-methylpentane

5.



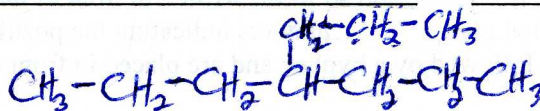
6. 3-ethyldecane

6.



7. 4-propylheptane

7.



8. 2,3-dimethyloctane

8.

