

Naming Branched Alkanes Worksheet With Answers

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[Alkene Naming And Key Worksheets - Learn Kids](#)

SCH 4U0 Name: _____ Unit: Hydrocarbons Date: _____ Worksheet: Alkanes Worksheet: Naming and Drawing Alkanes For each alkane write the correct IUPAC name

[Alkanes: IUPAC Naming](#)

Branched chain alkanes The alkanes don't contain a functional group and so the branches are numbered from the end that gives the lowest set of position numbers for the branches. Use the above rules...

[Naming Alkanes - Worksheet #1 - mrayton.com](#)

Displaying top 8 worksheets found for - Alkene Naming And Key. Some of the worksheets for this concept are Naming and drawing alkenes work and key, Alkanes and key answers, Alkenes and alkynes work, Alkane naming work with answers, Naming alkenes work cr 305 h3c ch3, Work naming and drawing alkanes, Chapter 8, Naming hydrocarbons work and key. Alkanes Worksheets - Teacher Worksheets

Name ____ Period ____ (over) Naming Alkanes - Worksheet #1 Name the following branched alkanes: 1. H3CCH CH3 CH3 2. H3CCH CH3 CH2 CH3 3. H3CCH2 CH2 CH CH2 CH2 CH2 CH3 CH3 4. H3CCH2 CH2 CH CH CH3 CH2 CH3 CH2 CH3 5. H3CCH2 CH CH2 CH CH2 CH3 CH3 CH2 CH2 CH3 6. H3CCH2 CH2 CH2 CH2 H3CCH2 CH2 CH2 C CH3 CH2 CH3 7. H2CCH CH2 CH CH3 CH2 CH2 CH3 CH3 CH2 CH2 CH3

[Naming Alkanes - Worksheet #1](#)

Three Rules of Naming Alkanes Choose the longest, most substituted carbon chain containing a functional group. A carbon bonded to a functional group must have the lowest possible carbon number. If there are no functional groups, then any substitute present must have the lowest possible number.

[Naming Hydrocarbons Worksheet and Key](#)

[Naming alkanes worksheet. Naming and drawing alkanes for each alkane write the](#)

correct iupac name. Click on pop out icon or print icon to worksheet to print or download. Use the cycloalkane as the parent chain if it has a greater number of carbons than any alkyl substituent.

[Worksheet: Naming and Drawing Alkanes](#)

Alkanes Worksheet & Cheatsheet for GCSE. 5 2 customer reviews. Author: Created by senecalearning. Preview. Created: Nov 28, 2019. 2 worksheets in the pack: A worksheet where students complete key questions and definitions on the topic.

[Iupac Nomenclature Of Alkane - Teacher Worksheets](#)

To name a branched hydrocarbon, the name of the substituent is combined with the parent name of the hydrocarbon without spaces. However, there is likely one more step. The longest chain of the hydrocarbon must be numbered, and the locant (numerical position of the substituent) must be included to account for possible isomers. As with double and triple bonds, the main chain is numbered to give the substituent the lowest possible number.

[Alkanes Worksheet and Key - Saddleback College](#)

Alkanes Worksheet and Key 1. Answer the following. a. What is the general formula for a noncyclic alkane? C?H? b. If a noncyclic alkane contains 15 carbon atoms, how many hydrogen atoms does it contain? 2. Draw the line bond structures of following types of hydrocarbons using four carbon atoms: a.

[Naming Alkanes - Worksheet #1](#)

Name the following branched alkanes: 1. H3CCH2CH CH2CH CH2CH2CH3. CH3. CH2CH2CH3. 2. H3CCH2CCH2CH CH2CH3. CH3. CH3CH3.

[How to Name Branched Alkanes in Chemistry - dummies](#)

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[3.5: Naming Alkanes - Chemistry LibreTexts](#)

In the following practice problems, we will go over naming alkanes using the IUPAC nomenclature rules which include finding the parent chain, numbering it to have the substituents in the correct positions and finally putting all of this together to name the compound. The next exercise will teach you drawing the structure based on the IUPAC name.

[Alkanes Worksheet & Cheatsheet for GCSE | Teaching Resources](#)

[Naming Alkane Isomers | Teaching Resources](#)

One way of checking whether the name you have given to an alkane is reasonable is to count the number of carbon atoms implied by the chosen name. For example, if you named a compound 3 ethyl-4 methylheptane, you have indicated that the compound contains a total of 10 carbon atoms—seven carbon atoms in the main chain, two carbon

atoms in an ethyl group, and one carbon atom in a methyl group.

[Branched Hydrocarbons - Introductory Chemistry - 1st ...](#)

Video version (poorer quality) of an Interactive Flash animation that I wrote to firstly explain how to name branched alkanes, using worked examples, and then provide 4 practice examples that pupils could attempt for themselves.

[Naming Branched Alkanes Worksheet With](#)

[Naming Hydrocarbons Worksheet and Key](#) Write the name of each of the hydrocarbon molecules shown below: 1) 2 2) 3 C 3) 4) 3 5) 6) 7) 3 8) 9) 10)

[Recap - Naming branched chain alkanes - Systematic carbon ...](#)

Because the first set of numbers is lower, the chain is numbered properly. The longest chain in a branched alkane is called the parent chain. Count the number of carbons in each branch. These groups are called alkyl groups and are named by adding the suffix -yl to the appropriate alkane prefix.

[3.4 Naming Alkanes - Chemistry LibreTexts](#)

Step 1. Find the longest, continuous, chain of carbons (it doesn't have to be straight). (Draw a line through these carbons if it's helpful.) Assign an "alkane" name according to the number of carbons in this chain (such as "butane," "pentane"). Step 2. All carbons not in this main chain are "branches" connected to the main chain.