

Video Practice for Topic I.14:

Nomenclature I: Alkanes, Alkyl Halides, Alcohols
and Cycloalkanes

Recommended reading for this topic:

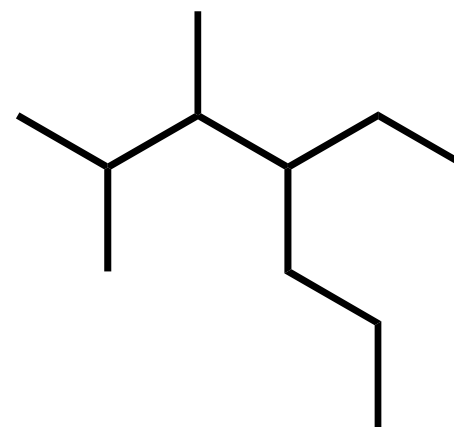
Lesson I.14 in *Organic Chemistry 1 Primer 2018*,
by Rhett C. Smith, Andrew G. Tennyson and Tania Houjeiry

Additional Videos and how to match videos to your course text book:

ProtonGuru.com

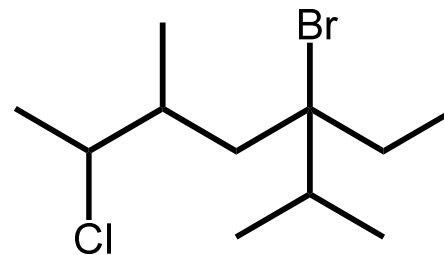
Naming Alkanes, Alkyl Halides, Alcohols and Cycloalkanes

Provide the systematic IUPAC name for this molecule



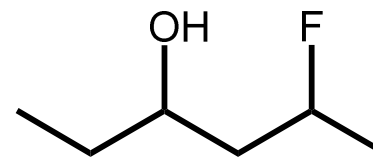
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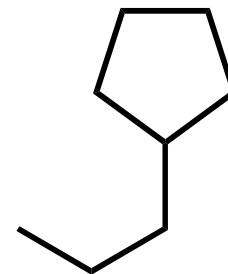
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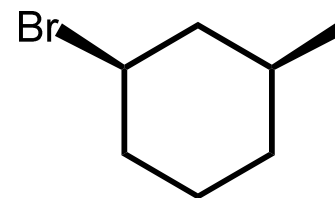
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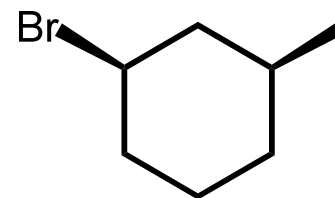
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Naming Alkanes, Alkyl Halides, Alcohols and Cycloalkanes

The parent is clearly cyclohexane, so we can start to put the name together ...



Naming Alkanes, Alkyl Halides, Alcohols and Cycloalkanes

Draw the line bond structure of 6-ethyl-2,2,7-trimethyl-5-propylnonane



Naming Alkanes, Alkyl Halides, Alcohols and Cycloalkanes

Draw the line bond structure of 8-chloro-4-ethyl-2-octanol



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Draw the line bond structure of *trans*-1-fluoro-3-methylcyclopentane

