

CHEM HELP *ASAP*

Organic Chemistry Problem Set with Solutions

Naming Alkanes

Instructions: The molecules below are alkanes with alkyl and halide substituents. Provide IUPAC names for these structures.

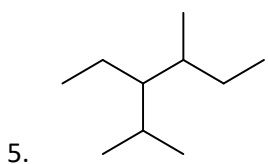
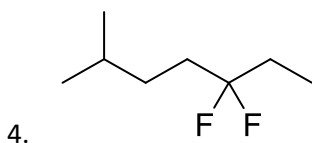
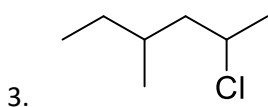
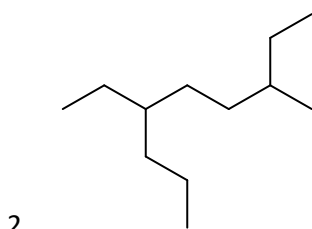
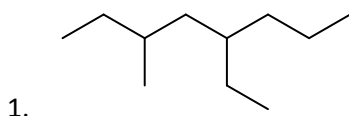
Suggested playlist:

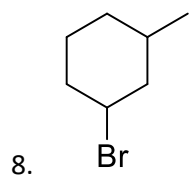
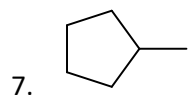
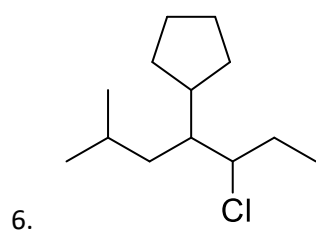
<https://www.youtube.com/watch?v=nO3G9AZKa4c&list=PLlzSRqjN72jfOk-zrcAOeclYQoFZHuer>

YouTube video of answered questions:

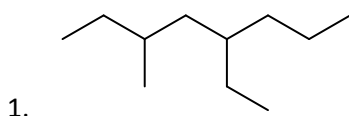
<https://youtu.be/Njx7kgMhNW8>

Questions:

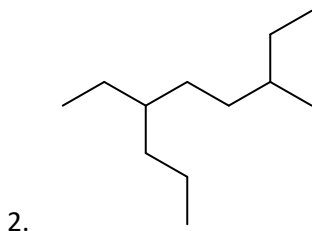




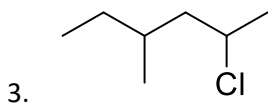
Solutions:



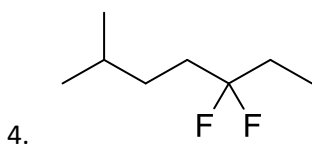
5-ethyl-3-methyloctane



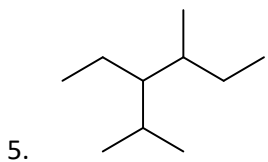
6-ethyl-3-methylnonane



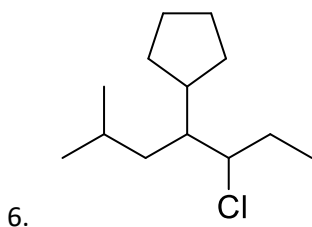
2-chloro-4-methylhexane



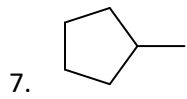
5,5-difluoro-2-methylheptane



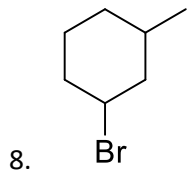
3-ethyl-2,4-dimethylhexane



5-chloro-4-cyclopentyl-2-methylheptane



methylcyclopentane



1-bromo-3-methylcyclohexane