

CONCEPT: FUNCTIONAL GROUP PRIORITIES

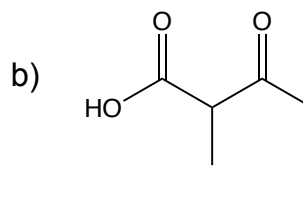
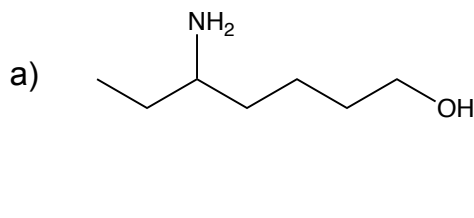
- When naming compounds with _____ functional groups, priorities must be considered.
 - Functional group with _____ priority is named as _____ chain.
 - All others are named as _____.

Functional Group Priorities

Carboxylic Acids > Aldehydes > Ketones > Alcohols > Amines > Ethers

MEMORY TOOL: Cool Alligators Keep All Animals Excited.

EXAMPLE: Provide parent chain names for each compound.



Substituent Prefixes

- If functional group is named as a _____, must use prefixes listed below.

Functional Group Prefixes

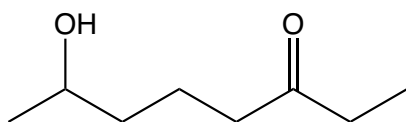
Ether _____

Alcohol _____

Amine _____

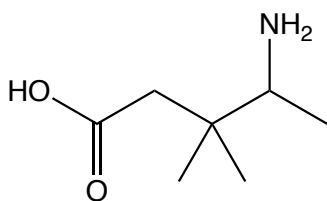
Aldehyde & Ketone _____

EXAMPLE: Provide systematic name for given molecule.

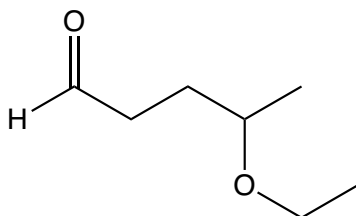


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PRACTICE: Provide IUPAC name for following.



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PRACTICE: Draw a structure for 7-oxoheptanoic acid.