

CONCEPT: NAMING OTHER SUBSTITUENTS

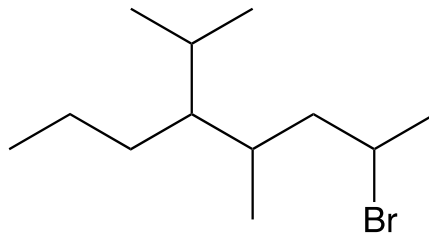
Alkyl Halides

location-substituent-parent

- Halogens attached to a carbon chain are named as **substituents**.

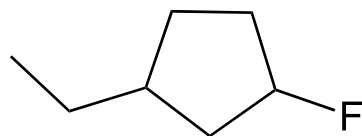
□ F _____, Cl _____, Br _____, I _____

EXAMPLE: Determine systematic name of the following alkane.



STEP 1-6: Same steps as previous naming topics.

PRACTICE: Name the following compound.



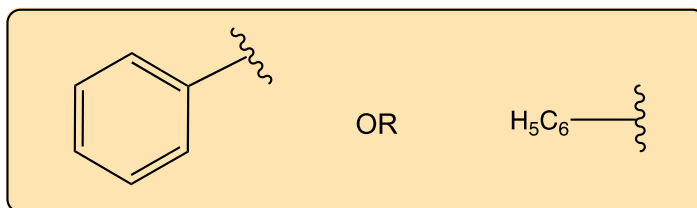
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Phenyl Group

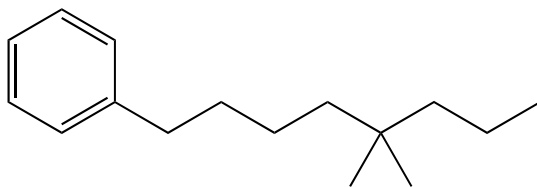
- A _____ ring as a **substituent** on a parent chain.

location-phenyl-parent

- Parent chain can be alkane, alkene, or alkyne, as long as its longer than ____ carbons.



EXAMPLE: Determine systematic name of the following alkane.



STEP 1-6: Same steps as previous naming topics.

PRACTICE: Draw a structure for the following alkane: 3-tert-butyl-1-phenylheptane.