

WS 10.4 ORGANIC NAMING

Name (yours): _____

Name	Complete structural formula	Line formula	Condensed structural formula	Mol. form
1) butane			CH ₃ CH ₂ CH ₂ CH ₃	C ₄ H ₁₀
2) heptane			CH ₃ (CH ₂) ₅ CH ₃	C ₇ H ₁₆
3) 2-fluorooctane			CH ₃ CHF(CH ₂) ₅ CH ₃	C ₈ H ₁₇ F
4) 3-iododecane			CH ₃ CH ₂ CHI(CH ₂) ₆ CH ₃	C ₁₀ H ₂₁ I
5) 1,1,1-tribromo-2,2-difluoropropane			CBr ₃ CF ₂ CH ₃	C ₃ H ₃ Br ₃ F ₂
6) 2-chloro-1-fluoropentane			CH ₂ FCHCl(CH ₂) ₂ CH ₃	C ₅ H ₁₀ ClF
7) 1,2,4-tribromobutane			CH ₂ BrCHBrCH ₂ CH ₂ Br	C ₄ H ₇ Br ₃
8) 1-iodo-3-methyloctane			CH ₃ (CH ₂) ₄ CH(CH ₃)CH ₂ I	C ₉ H ₁₉ I
9) nonane			CH ₃ -(CH ₂) ₇ -CH ₃	C ₉ H ₂₀
10) 4-bromo-2-fluorohexane			CH ₃ -CHF-CH ₂ -CHBr-CH ₂ -CH ₃	C ₆ H ₁₂ FBr
11) 4,5,7-trimethyldecane			CH ₃ (CH ₂) ₂ CH(CH ₃)CH(CH ₃)CH ₂ CH(CH ₃)(CH ₂) ₂ CH ₃	C ₁₃ H ₂₈
12) ethane			CH ₃ -CH ₃	C ₂ H ₆
13) 2,3-difluoropentane			CH ₃ CHFCHFCH ₂ CH ₃	C ₅ H ₁₀ F ₂
14) 1,1,1-tribromo-2-fluorooctane			CBr ₃ CHF(CH ₂) ₄ CH ₂ CH ₃	C ₈ H ₁₄ Br ₃ F
15) methane	CH ₄	N/A	CH ₄	CH ₄