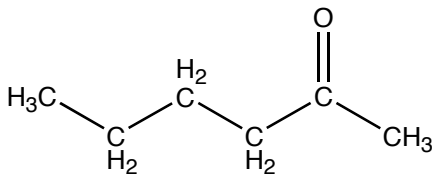
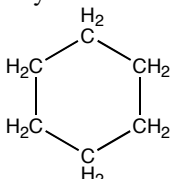
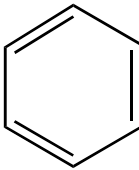
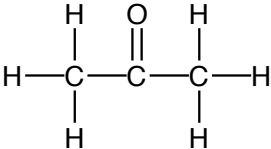
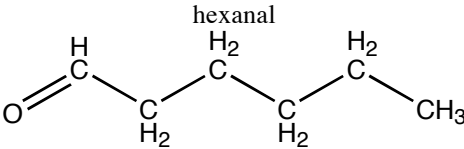
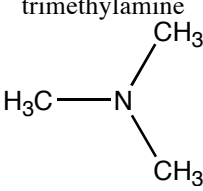
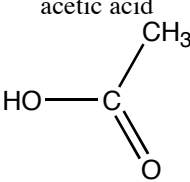
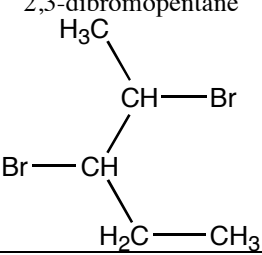
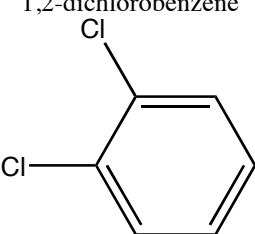
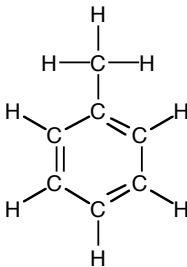
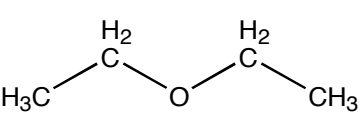
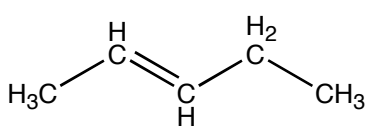
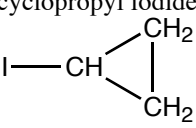


This is a sample quiz for CH 222 providing examples of naming and nomenclature. Answers are provided on page 2. *Good luck!*

Provide names or structures for the following organic molecules:

| | | |
|--|--------------------|---------------------|
| <i>n</i> -pentane | 2-hexanone | cyclohexane |
| formaldehyde | acetylene | dimethyl ether |
| 2-butyne | benzene | acetone |
| hexanal | CH ₄ | CH ₃ OH |
| trimethylamine | ammonia | acetic acid |
| CH ₃ CH ₂ CH ₂ CH ₂ OH | 2,3-dibromopentane | 1,2-dichlorobenzene |
| CH ₃ CH ₂ CH(OH)CH ₃ | methylbenzene | ethoxy ethane |
| <i>trans</i> -2-pentene | iodoethane | cyclopropyl iodide |

| | | |
|---|---|--|
| <p><i>n</i>-pentane</p> <p>CH₃CH₂CH₂CH₂CH₃</p> | <p>2-hexanone</p>  | <p>cyclohexane</p>  |
| <p>formaldehyde</p> <p>H₂C=O</p> | <p>acetylene</p> <p>HC≡CH</p> | <p>dimethyl ether</p> <p>CH₃-O-CH₃</p> |
| <p>2-butyne</p> <p>H₃C-C≡C-CH₃</p> | <p>benzene</p>  | <p>acetone</p>  |
| <p>hexanal</p>  | <p>CH₄</p> <p>methane</p> | <p>CH₃OH</p> <p>methanol</p> |
| <p>trimethylamine</p>  | <p>ammonia</p> <p>NH₃</p> | <p>acetic acid</p>  |
| <p>CH₃CH₂CH₂CH₂OH</p> <p>1-butanol</p> | <p>2,3-dibromopentane</p>  | <p>1,2-dichlorobenzene</p>  |
| <p>CH₃CH₂CH(OH)CH₃</p> <p>2-butanol</p> | <p>methylbenzene</p>  | <p>ethoxy ethane</p>  |
| <p><i>trans</i>-2-pentene</p>  | <p>iodoethane</p> <p>CH₃CH₂I</p> | <p>cyclopropyl iodide</p>  |