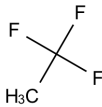
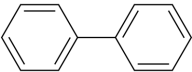
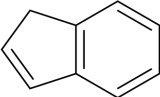

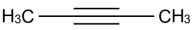
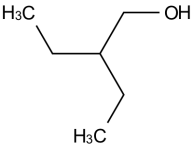
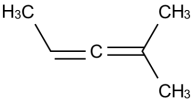
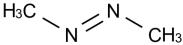
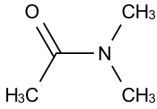
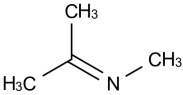
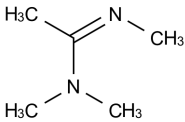
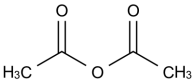
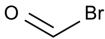
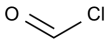
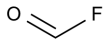
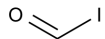
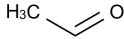
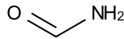

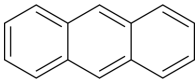
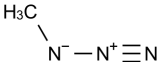

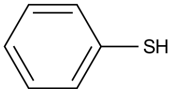
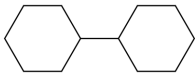



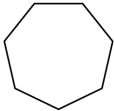
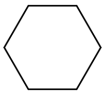
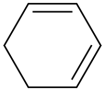

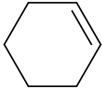


Functional Groups Global Chem



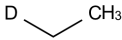
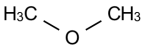
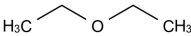
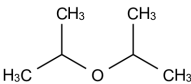
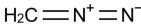
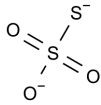

| 2D Molecule | SMILES |
|---|---------------------------------------|
|  | <chem>CC(F)(F)F</chem> |
|  | <chem>C1(C2=CC=CC=C2)=CC=CC=C1</chem> |
|  | <chem>C1(CC=C2)=C2C=CC=C1</chem> |
|  | <chem>[NH]1CCCC1</chem> |
|  | <chem>CC#CC</chem> |
|  | <chem>CCC(CC)CO</chem> |
|  | <chem>CC=C=C(C)C</chem> |
|  | <chem>C/N=N/C</chem> |

| | |
|---|-----------------------------|
|  | <chem>CC(N(C)C)=O</chem> |
|  | <chem>C/C(C)=N/C</chem> |
|  | <chem>C/C(N(C)C)=N/C</chem> |
|  | <chem>CC(=O)OC(=O)C</chem> |
|  | <chem>C(=O)Br</chem> |
|  | <chem>C(=O)Cl</chem> |
|  | <chem>C(=O)F</chem> |
|  | <chem>C(=O)I</chem> |


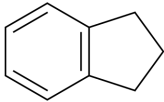
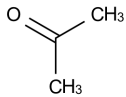
| | |
|---|--|
|  | <chem>CC=O</chem> |
|  | <chem>C(=O)N</chem> |
|  | <chem>*N</chem> |
|  | <chem>C12=CC=CC=C1C=C3C(C=CC=C3)=C2</chem> |
|  | <chem>C([N-][N+]#N)</chem> |
|  | <chem>C1=CC=CC=C1</chem> |
|  | <chem>C1=CC=C(C=C1)S</chem> |
|  | <chem>C1CCCCC1C1CCCCC1</chem> |

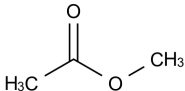
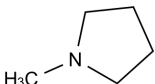
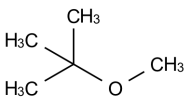
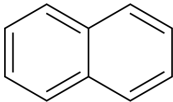
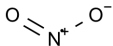
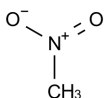
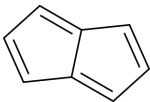
| | |
|-----------------------|-----------------------|
| <chem>HBr</chem> | <chem>Br</chem> |
| <chem>CCC=C</chem> | <chem>CCC=C</chem> |
| <chem>CCC#C</chem> | <chem>CCC#C</chem> |
| <chem>O=C=O</chem> | <chem>O=C=O</chem> |
| <chem>C(=O)O</chem> | <chem>C(=O)O</chem> |
| <chem>HCl</chem> | <chem>Cl</chem> |
| <chem>COC(Cl)</chem> | <chem>COC(Cl)</chem> |
| <chem>C1=CC=C1</chem> | <chem>C1=CC=C1</chem> |

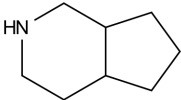
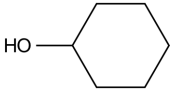

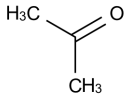
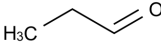
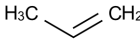
| | |
|---|-------------------------|
|  | <chem>C1CCC1</chem> |
|  | <chem>C1CCCCC1</chem> |
|  | <chem>C1CCCCC1</chem> |
|  | <chem>C1=CCCC=C1</chem> |
|  | <chem>C1=CCC=CC1</chem> |
|  | <chem>C=1CCCCC=1</chem> |
|  | <chem>C1CCCC1</chem> |
|  | <chem>C1=CCC=C1</chem> |

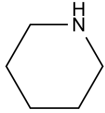
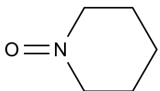

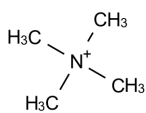
| | |
|--|--|
|  | <chem>C1CC1</chem> |
|  | <chem>C1=CC1</chem> |
|  | <chem>[2H][CH2]C</chem> |
|  | <chem>COC</chem> |
|  | <chem>CCOCC</chem> |
|  | <chem>CC(C)OC(C)C</chem> |
| <p>Failed Rendering</p> | <chem>C&1&1&1&1</chem> |
|  | <chem>C=[N+]=[N-]</chem> |
|   | <chem>[NH4+].[NH4+].[O-]S(=O)(=O)[S-]</chem> |

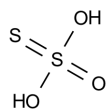
| | |
|--|---------|
| NH_3 | N |
| $\text{H}_3\text{C} - \text{CH}_3$ | CC |
| $\text{H}_3\text{C} - \text{SH}$ | CCS |
| $\text{H}_3\text{C} - \text{OH}$ | CCO |
| $\text{H}_2\text{C} = \text{CH}_2$ | C=C |
| $\text{H}_3\text{C} - \text{O} - \text{CH}_3$ | COC |
| $\text{O} = \text{C} - \text{O} - \text{CH}_3$ | C(=O)OC |
| HF | F |

| | |
|---|----------------------------------|
| $\text{H}_2\text{C}=\text{O}$ | $\text{C}=\text{O}$ |
|  | <chem>C1OC=CC=1</chem> |
| Failed Rendering | <chem>C&1&1&1</chem> |
| $\text{HC}\equiv\text{N}$ | $\text{C}\equiv\text{N}$ |
| HO^- | $[\text{OH}^-]$ |
| $\text{H}_2\text{N}-\text{OH}$ | NO |
|  | <chem>C1=CC=CC(CCC2)=C12</chem> |
|  | <chem>CC(=O)C</chem> |
| CH_4 | C |

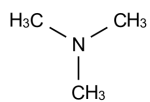
| | |
|---|----------------------------------|
| $\text{H}_3\text{C}-\text{SH}$ | <chem>CS</chem> |
|  | <chem>CC(OC)=O</chem> |
|  | <chem>CN1CCCC1</chem> |
|  | <chem>CC(C)(C)OC</chem> |
|  | <chem>C12=CC=CC=C1C=CC=C2</chem> |
|  | <chem>[N+](=O)[O-]</chem> |
|  | <chem>C[N+](=[O-])=O</chem> |
|  | <chem>C12=CC=CC1=CC=C2</chem> |

| | |
|---|-----------------------------------|
|  | <chem>N1CC2CCCC2CC1</chem> |
|  | <chem>OC1CCCCC1</chem> |
|  | <chem>C=1(C=CC=CC1)</chem> |
| <p>Failed Rendering</p> | <chem>c1cccc1C&1&1</chem> |
| <p>H₂O</p> | <p>O</p> |
| <p>NH₃</p> | <p>N</p> |
|  | <chem>CC(C)=O</chem> |
|  | <chem>CCC=O</chem> |
|  | <chem>CC=C</chem> |

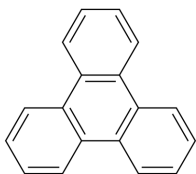
| | |
|---|--------------------------------|
| $\text{H}_3\text{C} \text{---} \equiv \text{CH}$ | <chem>CC#C</chem> |
|  | <chem>N1CCCCC1</chem> |
|  | <chem>O=N1CCCCC1</chem> |
| $\text{H}_2\text{N} \text{---} \text{CH}_3$ | <chem>NC</chem> |
|  | <chem>C12(CCCCC1)CCCCC2</chem> |
| $\text{O}=\text{S}=\text{O}$ | <chem>S(=O)(=O)</chem> |
|  | <chem>C[N+](C)(C)C</chem> |
| H_2S | <chem>S</chem> |



OS(=O)(=S)O



CN(C)C



C1(C=CC=C2)=C2C(C=CC=C3)=C3C4=C1C=CC=C4