

Draw a structure for each of the following. On each structure label the approximate bond angle. Also name the geometry (i.e. "tetrahedral", "bent", etc.).

1. $\mathrm{NO}_{3}{ }^{1-}$
2. $\mathrm{CH}_{4}$
3. HCN (carbon is the central atom)
4. $\mathrm{H}_{2} \mathrm{O}$ (oxygen is the central atom)
5. $\mathrm{NF}_{3}$
6. $\mathrm{SiO}_{3}{ }^{2-}$
7. A certain molecule is bent and has a bond angle of about $109^{\circ}$. Is the molecule $\mathrm{SeS}_{2}$ or $\mathrm{SeCl}_{2}$ ?
