

WORKSHEET 5

Chemistry 110

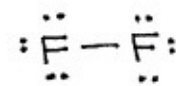
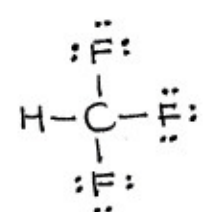
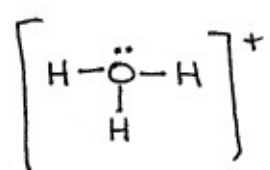
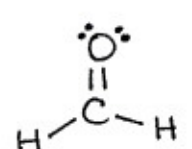
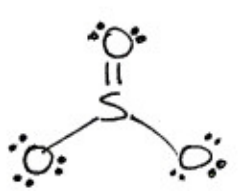
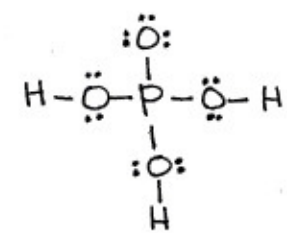
Name _____

(last)

(first)

Due date: _____

Draw the electron dot structures for the following. You must show all electron pairs, both shared and unshared.

<p>F_2</p> 	<p>CHF_3</p> 
<p>H_3O^+ (the O atom is central)</p> 	<p>CH_2O</p> 
<p>SO_3</p> 	<p>H_3PO_4</p> 

<p>SCl₂</p> $:\ddot{\text{Cl}}-\ddot{\text{S}}-\ddot{\text{Cl}}:$	<p>CO</p> $:\text{C}\equiv\text{O}:$
<p>OH⁻</p> $\left[:\ddot{\text{O}}-\text{H} \right]^{-}$	<p>AsH₃</p> $\begin{array}{c} \text{H}-\ddot{\text{As}}-\text{H} \\ \\ \text{H} \end{array}$
<p>HI</p> $\text{H}-\ddot{\text{I}}:$	<p>SO₃²⁻</p> $\left[\begin{array}{c} :\ddot{\text{O}}-\ddot{\text{S}}-\ddot{\text{O}}: \\ \\ :\ddot{\text{O}}: \end{array} \right]^{2-}$
<p>HClO</p> $:\ddot{\text{Cl}}-\ddot{\text{O}}-\text{H}$	<p>H₂S (the S atom is central)</p> $\begin{array}{c} \text{H} \quad \ddot{\text{S}} \quad \text{H} \\ \quad \diagdown \quad \diagup \end{array}$