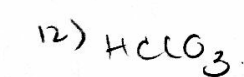
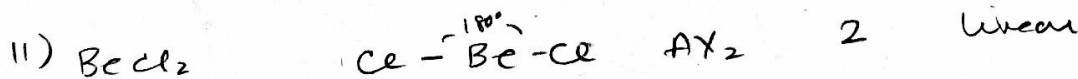
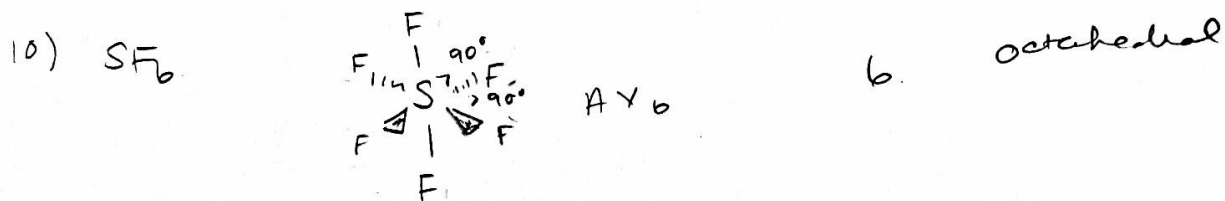
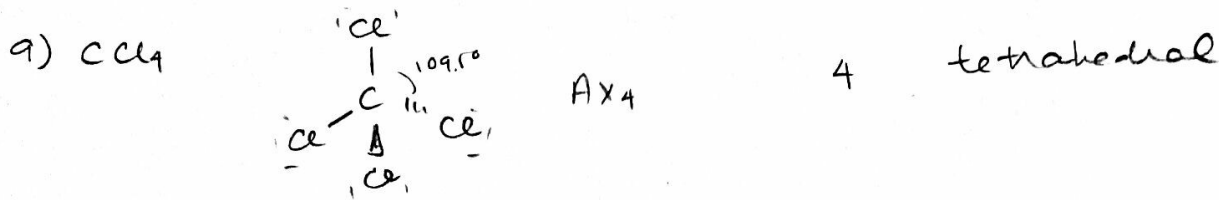
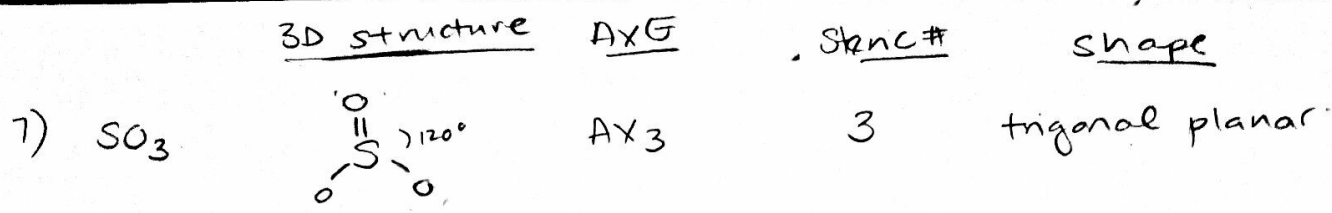


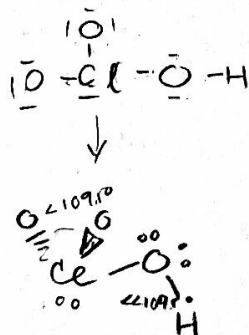
# molecule shapes

	<u>3D Structure</u>	<u>AXE</u>	<u>stenc #</u>	<u>shape</u>
1) NI <sub>3</sub>		AX <sub>3</sub> E	4	trigonal pyramid
2) SiH <sub>4</sub>		AX <sub>4</sub>	4	tetrahedral
3) H <sub>2</sub> S		AX <sub>2</sub> E <sub>2</sub>	4	bent
4) AsCl <sub>5</sub>		AX <sub>5</sub>	5	trigonal bipyramid
5) PBr <sub>3</sub>		AX <sub>3</sub> E	4	trigonal pyramid
b) SbF <sub>6</sub> <sup>-</sup>		AX <sub>6</sub>	6	octahedral

Sb 5  
 F<sub>6</sub> 42  
 (-) 1  
 18  
 12  
 36



$$\begin{array}{r} \text{H} - 1 \\ \text{Cl} - 7 \\ \text{O}_3 - 18 \\ \hline 26 \\ 8 \\ \hline 18 \end{array}$$



chlorine:  $\text{AX}_3\text{E}$  4 trig-pyramid

oxygen:  $\text{AX}_2\text{E}_2$  4 bent

	<u>3D structure</u>	<u>AXE</u>	<u>stenc #</u>	<u>shape</u>
13) $AsF_5$		$AX_5$	5	trigonal bipyramid
14) $PO_4^{3-}$		$AX_4$	4	tetrahedral
15) $OCl_2$		$AX_2E_2$	4	bent.
16) $NO_2F$	<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>N - 5</p> <p>O<sub>2</sub> - 12</p> <p>F - 7</p> <hr style="width: 20px; margin: 5px 0;"/> <p>24</p> <hr style="width: 20px; margin: 5px 0;"/> <p>6</p> <hr style="width: 20px; margin: 5px 0;"/> <p>18</p> </div> <div style="text-align: center;">   </div> </div>	$AX_3$	3	trigonal planar