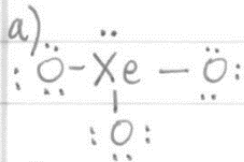
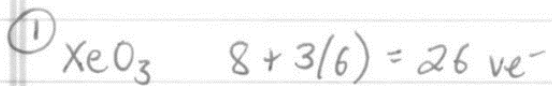
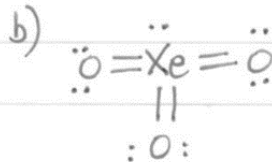


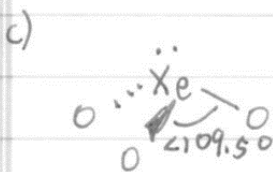
Practice Problems



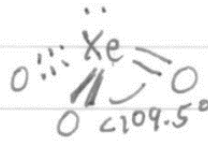
FC = +3 on Xe
-1 on each O



Each FC = 0

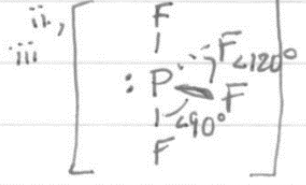
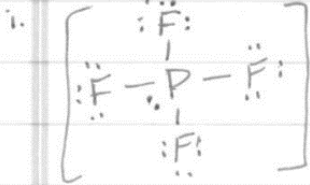
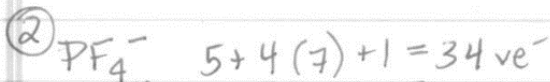


trigonal pyramidal
Polar



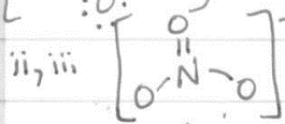
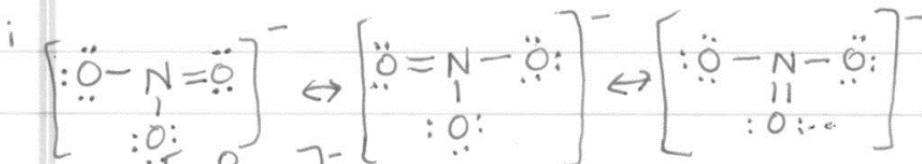
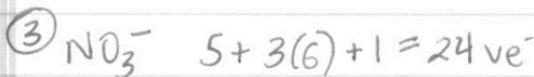
trigonal pyramidal
Polar

Geometry, angles, polarity are the same, whether you choose to prioritize obeying the octet rule or minimizing FCs.



see-saw

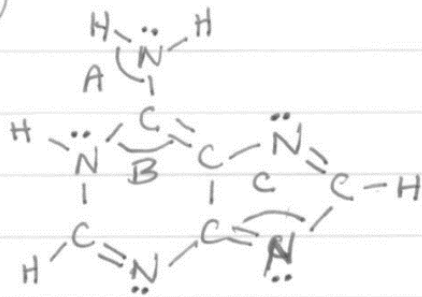
iv. Polar



(can use any resonance structure here.)
trigonal planar 120° angles

iv. Nonpolar

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Angle A: $<109.5^\circ$
(SN=4, 1 L.P.)

Angle B: 120°
(SN=3, 0 L.P.)

Angle C: $<120^\circ$
(SN=3, 1 L.P.)