76. T	D	n ' 1
Name	Date	Period

Draw Lewis Dash Structures for the following compounds and polyatomic ions. Show your calculation for total valence electron pairs. Identify the molecular geometry. For each molecule determine polarity.

HI & ve H-I: Linear Polar

CBr2Cl2 32 ve : Br - C - C1:

ici. Tetrahed ral Polar

H - S-H Bent Polar

SiSe<sub>2</sub> Nonpolar

(NO3)1- 24 ve

H - P - H Tris Pyramidal
Polar CO 10 ve : C = O: Linear polar

CO2 16 Vi (CO3)2- 24 Vi (PO4)3- 32 Vie

(PO4)3- 32 Vie

(PO4)3- 32 Vie

(PO4)3- 32 Vie

(O'- C'-O'-)

Linear Atro other resurves

Nonpolar resurves

(O: O'- P-O'-)

Structures

(O: O'- P-O'-)

Structures Nonpoler Trig Planer Nonfular

Tetraledra 1 Non pular

(NH4)1+ & ve-Nor poler

trig planer

(ClO)1- 14 ve

(ClO<sub>2</sub>)1- 20 00 \$ one other resonance structure \$ 3 other resonance \$ to other Bent resonance structures Structures Polar Tris Porcaidel Tetralidia! Nonpolar Polar  $(SO_4)^{2-}$ (SO3)2- 26 ve At two other resonance \$ 5 other resonance Structures Strictures Tris Pyramidel Tetroledrol Nonpolar Draw structures for the following acids: (all polar) HNO<sub>3</sub> HClO<sub>4</sub> Tetrahedra 1 :0: 0 = N - 0 - H 0 = (1 - 0 - H \$ one other :0: resurance Structure  $HC_2H_3O_2$ H<sub>2</sub>CO<sub>3</sub> H :O: 0= C - O-H