

Name _____

H Chem, Period _____

1. For each molecule below, draw the Lewis dot structure. Put delta (δ) notation on at least one bond. Indicate electron domain geometry and the molecular shape of the molecule. State if it is polar or nonpolar.

c. H_2S

b. SO_3

EDG: _____

EDG: _____

Shape: _____

Shape: _____

Polarity: _____

Polarity: _____

c. CH_2Br_2

d. HCN

EDG: _____

EDG: _____

Shape: _____

Shape: _____

Polarity: _____

Polarity: _____

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2. For each polyatomic ion below, draw the Lewis dot structure. Put delta (δ) notation on at least one bond. Indicate electron domain geometry and shape of molecule. State if it is polar or nonpolar based on shape. (Recall: technically all ions are polar)



EDG: _____

EDG: _____

Shape: _____

Shape: _____

Polarity: _____

Polarity: _____



EDG: _____

EDG: _____

Shape: _____

Shape: _____

Polarity: _____

Polarity: _____