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Name:		

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SCH 3U Bonding Quiz

- For each of the following:
 - determine the type of bonding (ionic vs covalent) and clearly state to the left of the atoms do the rough work show the results (draw good answer diagrams)

 - add the details

Са Br

Ρ Cl

С 0

/5

Η

0 **/5** /20

- For each of the following pairs of atoms in covalent bonds 2.
 - look up and write the electronegativity below each atom
 - determine the direction of bond polarization and indicate this answer by adding arrowhead and etc. to each bond (i.e. should look like this $X \longrightarrow Z$ or $X \longleftarrow Z$ depending on the direction of polarization

С F 0 Η Р Cl

С 0 As

For the following molecules, add bond polarizations, determine net molecular polarizations and add $\delta^{\scriptscriptstyle +}$ and $\delta^{\scriptscriptstyle -}$ as appropriate. Complete each diagram as appropriate.

For the formula CH_2F_2 , write two different possible stick structures and discus the implication for net molecular polarization. Would this be an important consideration in the strength of intermolcular forces?

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Ν