MINI POSTER INSTRUCTIONS

A. On any paper, create three made up molecules with the following characteristics:

1. between six and thirty atoms per molecule
2. all atoms are nonmetals
3. each atom follows the octet rule (unless H, which follows the duet rule
4. each molecule must have at least one double bond OR triple bond
5. each molecule must have some part where two atoms of the same element are bonded to each other
6. don’t forget to use hydrogens

B. Get the teacher to circle ONE of your molecules.

C. Copy with markers the molecule approved by the teacher onto the center of a sheet of plain paper, so that it almost fills the paper. Look at one covalent bond at a time. Next to each atom, write the electronegativity number (look it up in a table). Draw an arrow, parallel to each bond, that shows the direction where the e- density is greatest *according to each element’s electronegativity.*

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chits:

|  |  |  |
| --- | --- | --- |
| C, H, O | P, S, H | C, H, N |
| N, H, S | C, H, S | H, C, P |
| C, H, O | P, S, H | C, H, N |
| N, H, S | C, H, S | H, C, P |
| C, H, O | P, S, H | C, H, N |
| N, H, S | C, H, S | H, C, P |