SCH3U9 – **Covalent Bonding: Polar & Non-Polar Bonding Practice** Date: \_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Molecular Compound** | **EN Difference between atoms in the bond:** | **Lewis-Dot Diagram of the Compound (with Vector arrows)** | **Symmetry of the Compound** | **Overall Polarity of Compound? Polar or Non-Polar?** |
| Oxygen Gas - O2 |  |  |  |  |
| Carbon Monoxide – CO |  |  |  |  |
| Carbon tetrachloride – CCl4 |  |  |  |  |
| Nitrogen Tribromide – NBr3 |  |  |  |  |
| Oxygen difluoride – OF2  (this compound has a bent shape – like water) |  |  |  |  |
| Hydrofluoric acid – HF(aq) |  |  |  |  |
| Methyl Chloride – CH3Cl |  |  |  |  |
| Nitrate (polyatomic) – NO31- |  |  |  |  |