Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**WS Molecular Formulas and Polarity**

For each of the following molecules:

* **Write** the formula.
* **Draw** the Lewis structure.
* **Determine** the bond polarity (polar or nonpolar) using your electronegativity chart
* **Determine** the molecule polarity (polar or nonpolar) using symmetry

1) carbon tetrafluoride

Formula: \_\_\_\_\_\_\_\_ Lewis Structure Bond Polarity Molecule Polarity

2) nitrogen triiodide

Formula: \_\_\_\_\_\_\_\_ Lewis Structure Bond Polarity Molecule Polarity

3) carbon monoxide

Formula: \_\_\_\_\_\_\_\_ Lewis Structure Bond Polarity Molecule Polarity

4) dihydrogen monoxide

Formula: \_\_\_\_\_\_\_\_ Lewis Structure Bond Polarity Molecule Polarity

5) carbon disulfide

Formula: \_\_\_\_\_\_\_\_ Lewis Structure Bond Polarity Molecule Polarity

6) ozone (O3)

Formula: \_\_\_\_\_\_\_\_ Lewis Structure Bond Polarity Molecule Polarity

7) dinitrogen tetrahydride

Formula: \_\_\_\_\_\_\_\_ Lewis Structure Bond Polarity Molecule Polarity

8) dihydrogen monosulfide

Formula: \_\_\_\_\_\_\_\_ Lewis Structure Bond Polarity Molecule Polarity