

Name _____ Date _____ Period _____

Lewis and Structural Formulas Worksheet

| Formula | Formulas | | Kind of Molecule (Polar or nonpolar) POLAR = lone pair on central atom NONPOLAR = NO lone pair on central atom |
|---------|----------|--|---|
| | Lewis | Structural (Lewis structure without lone pairs) | |
| H_2 | | | |
| F_2 | | | |
| Cl_2 | | | |
| O_2 | | | |
| N_2 | | | |
| HF | | | |

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|------------------|----------|--|---|
| | Lewis | Structural (Lewis structure without lone pairs) | |
| HCl | | | |
| H ₂ O | | | |
| NH ₃ | | | |
| CH ₄ | | | |
| CCl ₄ | | | |
| H ₂ S | | | |

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|--------------------------|----------|--|---|
| | Lewis | Structural (Lewis structure without lone pairs) | |
| CH_2Br_2 | | | |
| HCN | | | |
| SO_3 | | | |
| $(\text{NH}_4)^{+1}$ | | | |
| $(\text{PO}_4)^{-3}$ | | | |