Name/ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MOLECULAR STRUCTURES**

What is a molecule?

How are molecules created?

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Atomic Symbol | Atomic NumberNumber of Protons | Number of Bonding Sites |
| Hydrogen  |  |  |  |
| Oxygen |  |  |  |
| Nitrogen |  |  |  |
| Carbon |  |  |  |

For each model molecule draw and label the molecule

with its atomic symbol and its bonds.

|  |  |
| --- | --- |
| **H2**  |  |
| **O2** |  |
| **N2** |  |
| **H2O - WATER** |  |

Name/ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| **CH4  - METHANE** |  |
| **CO2 - CARBON DIOXIDE** |  |
| **C2H4 - ETHLYNE** |  |
| **HCN – HYDROGEN CYANIDE** |  |

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