Lewis diagrams (Level 2)

Draw the Lewis structure (electron dot diagram) for the following molecules.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2023** | **2022** | **2021** | **2020** | **2019** | **2018** | **2017** | **2016** | **2015** | **2014** | **2013** | **2012** | **2011** | **2010** | **2009** | **2008** |
| **N2** |  | **** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **AsF3** |  |  | **** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **F2CO** |  |  | **** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **NOCl** |  |  |  | **** |  |  |  |  |  |  |  |  |  |  |  |  |
| **NCl3** |  |  |  |  | **** |  |  |  |  |  |  |  |  |  |  |  |
| **OF2** |  |  |  |  | **** |  |  |  |  |  |  |  |  |  |  |  |
| **H2S** |  |  | **** |  |  | **** |  |  |  |  |  |  |  |  |  |  |
| **NH3** |  | **** |  |  |  | **** |  |  |  |  |  |  |  |  |  |  |
| **BF3 or BCl3** | **** |  |  |  |  | **** |  |  |  |  |  |  |  |  |  |  |
| **COCl2 or COBr2** | **** |  |  |  |  |  | **** |  |  |  |  |  |  |  |  |  |
| **HOCl** |  |  |  |  |  |  | **** |  |  |  |  |  |  |  |  |  |
| **NF3** |  |  |  |  |  |  | **** |  |  |  |  |  |  |  |  |  |
| **AsH3** |  |  |  |  |  |  |  |  |  | **** |  |  |  |  |  |  |
| **CH4** |  |  |  |  | **** |  |  |  |  |  | **** |  |  |  |  |  |
| **PH3** | **** |  |  |  |  |  |  | **** |  |  |  |  |  |  |  |  |
| **CO2** |  | **** |  |  |  |  |  |  |  |  | **** | **** |  |  | **** |  |
| **H2CO aka CH2O** |  |  |  |  |  |  |  |  | **** |  |  |  |  |  |  |  |
| **OCl2 aka Cl2O** |  |  |  |  |  |  |  |  | **** |  |  |  | **** |  |  | **** |
| **O2** |  |  |  |  |  |  |  |  | **** |  |  |  | **** | **** |  |  |
| **CH3Br or CH3Cl** |  |  |  |  |  |  |  |  |  |  |  |  | **** |  |  |  |
| **SO2** |  |  |  |  |  |  |  |  |  |  |  |  |  | **** |  |  |
| **SiCl4** |  |  |  |  |  |  |  |  |  |  |  |  |  | **** |  |  |
| **H2O** |  |  |  |  |  |  |  | **** |  |  | **** |  |  |  | **** |  |
| **CH2Br2 or CH2Cl2 or CH2F2** |  |  |  | **** |  |  |  |  |  | **** |  |  |  |  | **** |  |
| **CS2** |  |  |  | **** |  |  |  | **** |  |  |  |  |  |  |  | **** |
| **HCN** |  |  |  |  |  |  |  |  |  | **** |  |  |  |  |  | **** |
| **XO2**  **(X has 4 valence e’s)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **** |
| **YO2**  **(Y has 6 valence e’s)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **** |

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