

Lewis Dot Structure Worksheet

Draw the Lewis Dot Structure of the following covalent compounds.

| | | |
|--------|--------|---------|
| H_2 | O_2 | N_2 |
| HCl | HBr | HF |
| H_2O | H_2S | NH_3 |
| SO_2 | Cl_2 | CH_4 |
| CS_2 | I_2 | CCl_4 |

Lewis Dot Structure Worksheet

Answers

| | | |
|---|---|--|
| H_2 $H-H$ | O_2 $\begin{array}{c} \cdot\cdot \\ \text{O}=\text{O} \\ \cdot\cdot \end{array}$ | N_2 $:\text{N}\equiv\text{N}:$ |
| HCl $\begin{array}{c} \cdot\cdot \\ \text{H}-\text{Cl} \\ \cdot\cdot \end{array}$ | HBr $\begin{array}{c} \cdot\cdot \\ \text{H}-\text{Br} \\ \cdot\cdot \end{array}$ | HF $\begin{array}{c} \cdot\cdot \\ \text{H}-\text{F} \\ \cdot\cdot \end{array}$ |
| H_2O $\begin{array}{c} \cdot\cdot \\ \text{H}-\text{O}-\text{H} \\ \cdot\cdot \end{array}$ | H_2S $\begin{array}{c} \cdot\cdot \\ \text{H}-\text{S}-\text{H} \\ \cdot\cdot \end{array}$ | NH_3 $\begin{array}{c} \cdot\cdot \\ \text{H}-\text{N}-\text{H} \\ \\ \text{H} \end{array}$ |
| SO_2 $\begin{array}{c} \cdot\cdot \\ \text{O}=\text{S}=\text{O} \\ \cdot\cdot \end{array}$ | Cl_2 $\begin{array}{c} \cdot\cdot \\ :\text{Cl}-\text{Cl}: \\ \cdot\cdot \end{array}$ | CH_4 $\begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}-\text{H} \\ \\ \text{H} \end{array}$ |
| CS_2 $\begin{array}{c} \cdot\cdot \\ \text{S}=\text{C}=\text{S} \\ \cdot\cdot \end{array}$ | I_2 $\begin{array}{c} \cdot\cdot \\ :\text{I}-\text{I}: \\ \cdot\cdot \end{array}$ | CCl_4 $\begin{array}{c} \cdot\cdot \\ :\text{Cl}: \\ \\ \cdot\cdot \\ :\text{Cl}-\text{C}-\text{Cl}: \\ \\ \cdot\cdot \\ :\text{Cl}: \\ \cdot\cdot \end{array}$ |