

Electron Dot Structures/Lewis Structures Chemistry

Part I. Electron Dot Structures

Draw the electron dot structure for the following atoms:

- | | | |
|-------------|-----------|---------------|
| 1. hydrogen | 2. Helium | 3. Boron |
| 4. nitrogen | 5. Carbon | 6. Neon |
| 7. fluorine | 8. Xenon | 9. Phosphorus |

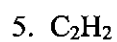
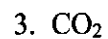
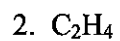
Part II. Lewis Structures: Single Bonds

Draw the Lewis Structure for the following molecules

- | | | |
|---------------------|---------------------|-------------------------------------|
| 1. H ₂ | 2. H ₂ O | 3. NH ₃ |
| 4. CH ₄ | 5. CCl ₄ | 6. CCl ₂ Br ₂ |
| 7. PCl ₃ | 8. BH ₃ | 9. H ₂ S |

Part III. Lewis Structures: Multiple Bonds

Draw the Lewis Structure for the following molecules



Part IV. Lewis Structures: Polyatomic Ions

Draw the Lewis Structure for the following molecules

