

Name :

Honors Chemistry

Section :

Drawing Lewis Structures

Draw Lewis structures for the following molecules or polyatomic ions;

1. Iodomethane, CH_3I
2. Ammonia, NH_3
3. Hydrogen sulfide, H_2S
4. Methanal (aka formaldehyde), CH_2O
5. Carbon dioxide, CO_2
6. Hydrogen cyanide, HCN
7. Silicon tetrachloride, SiCl_4
8. Difluorine monoxide, F_2O
9. Chloroethyne, HC_2Cl
10. Sulfur dioxide, SO_2
11. Boron trichloride, BCl_3 (doesn't obey octet rule)
12. Hydroxide ion, OH^-
13. Bromate ion, BrO_3^-
14. Sulfur dichloride, SCl_2
15. Phosphorus triiodide, PI_3
16. Ammonium ion, NH_4^+

