Example 4. Draw the Lewis Structure for HOPO: H IIII O IIII P IIII O Step 1.
Step 2.
Step 3.
Step 4.
Step 5.
COVALENT compounds that VIOLATE the OCTET RULE  A. In addition to, the atoms, and are exceptions as they have than a full octet when they form covalent compounds.
→ These atoms tend to
Example 5. Draw the Lewis Structure for BF <sub>3</sub> : F 1111 B 1111 F Step 1.
Step 2.
Step 3.
Step 4.
Step 5.
B. Elements in the and periods of the periodic table frequently attain than a full octet when they form covalent compounds.  → Therefore, the central atom will end up with than eight valence electrons
Example 6. Draw the Lewis Structure for PCl <sub>5</sub> :  Step 1.  Cl, P  Cl  Cl  Cl
Step 2.
Step 3.
Step 4.