

Name _____

Period _____

Worksheet on Lewis Dots #1
The First Steps

Part I: Draw the electron dot structure for each of the following atoms.

1) K

6) Be

2) P

7) S

3) I

8) Cs

4) Ca

9) Xe

5) Ga

10) Bi

Part II: Draw the Lewis Dot structures for the following molecules:

These molecules all obey the rules nicely:

1) I₂

2) CH₄

3) CCl₄

4) NH₃

5) HCl

6) PCl₃

7) H₂O

8) NF₃

9) SiCl₄

10) F₂

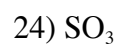
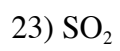
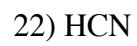
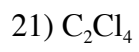
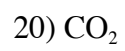
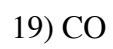
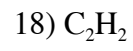
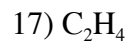
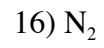
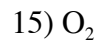
11) CF₂I₂

12) PH₃

13) C₂H₆

14) OF₂

These molecules all contain multiple bonds:



These molecules all violate the Octet Rule:

