

Name\_\_\_\_\_

Period\_\_\_\_\_

### Worksheet on Lewis Dots #3

**Part I:** Draw the Lewis Dot structures for the following 20 molecules and ions. Identify the geometry type ( $AB_2$  for example) and their molecular shape (linear for example).

1)  $H_2O$

Type:  
Shape:

2)  $I_2$

Type:  
Shape:

3)  $PCl_3$

Type:  
Shape:

4)  $PBr_5$

Type:  
Shape:

5)  $I_3^-$

Type:  
Shape:

6)  $BI_3$

Type:  
Shape:

7)  $SF_4$

Type:  
Shape:

8)  $XeF_2$

Type:  
Shape:

9)  $\text{CH}_4$

Type:  
Shape:

10)  $\text{CO}_2$

Type:  
Shape:

11)  $\text{BrF}_3$

Type:  
Shape:

12)  $\text{ClF}_3$

Type:  
Shape:

13)  $\text{SiCl}_4$

Type:  
Shape:

14)  $\text{O}_2$

Type:  
Shape:

15)  $\text{IF}_5$

Type:  
Shape:

16)  $\text{SF}_6$

Type:  
Shape:

17)  $\text{NCl}_3$

Type:  
Shape:

18)  $\text{XeF}_4$

Type:  
Shape:

19)  $\text{SCl}_6$

Type:  
Shape:

20)  $\text{ICl}_2^-$

Type:  
Shape: