

Covalent Compounds

Practice Sheet # 16

- What is the octet rule? How does the octet rule apply to covalent compounds?
- What type of elements form covalent bonds? _____
- Name the following covalent compounds:

a. NO ₂ _____	b. N ₂ O ₄ _____
c. NO _____	d. ClBr ₄ _____
e. S ₂ O ₃ _____	f. SO ₂ _____
g. PI ₃ _____	h. CCl ₄ _____
i. ClO _____	j. IO ₃ _____
- Write the formula for the following covalent compounds.

a. S ₂ Cl _____	b. CO ₂ _____
c. P ₃ F _____	d. H ₂ O _____
e. SiI _____	f. Pa ₂ O ₅ _____
g. O ₂ _____	h. N ₂ _____
i. CO _____	j. NO _____
- What is a diatomic element?
- What are the diatomic elements?
- Fill out the following chart: SUMMARY for naming of ionic and covalent compounds.

	<i>Ionic</i>	<i>Covalent</i>
When naming follow these rules		
When writing the formula follow these rules		

Name: _____ Per _____