

Worksheet: Ionic Compounds

1. Circle the ionic compounds from the following list:

- | | |
|----------------------|-----------------------------------|
| a. LiBr | e. NO ₂ |
| b. SF ₆ | f. PtCl ₄ |
| c. KNO ₃ | g. Mg ₃ N ₂ |
| d. Ag ₂ O | h. PCl ₃ |

2. Write the correct formula for the ionic compound between:

- | | |
|---------------------------|-------|
| a. lithium and nitrogen | _____ |
| b. gold (II) and oxygen | _____ |
| c. strontium and chlorine | _____ |
| d. cesium and sulfur | _____ |

3. Write the correct name for the following ionic compounds:

- | | |
|--|-------|
| a. NaF | _____ |
| b. Cr ₂ (SO ₄) ₃ | _____ |
| c. Pb(OH) ₄ | _____ |
| d. ZnBr ₂ | _____ |

4. Write the correct formula for the following ionic compounds:

- | | |
|--------------------------|-------|
| a. iron(III) nitride | _____ |
| b. aluminum fluoride | _____ |
| c. potassium selenide | _____ |
| d. platinum (IV) carbide | _____ |

5. Write the correct formula for the following polyatomic ions (include charges):

- | | |
|--------------|-------|
| a. nitrate | _____ |
| b. hydroxide | _____ |
| c. phosphite | _____ |
| d. carbonate | _____ |