

Ionic and Molecular Compounds Review Worksheet

Write the name for each of the following Ionic Compounds:

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|--------------------------------------|-----------------------|---------------------------------------|------------------------|
| 1. NaBr | sodium bromide | 6. VCl ₄ | vanadium (IV) chloride |
| 2. Ti(SO ₄) ₂ | titanium (IV) sulfate | 7. Mg ₃ P ₂ | magnesium phosphide |
| 3. FePO ₄ | iron (III) phosphate | 8. Sr(HCO ₃) ₂ | strontium bicarbonate |
| 4. K ₃ N | potassium nitride | 9. Ba ₃ N ₂ | barium nitride |
| 5. CuOH | copper (I) hydroxide | 10. Zn(NO ₃) ₂ | zinc nitrate |

Write the name for each of the following Molecular Compounds:

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|----------------------------------|-------------------------------|-----------------------------------|-----------------------|
| 1. CO | carbon monoxide | 6. SO ₂ | sulfur dioxide |
| 2. P ₂ O ₅ | diphosphorous pentoxide | 7. N ₂ O | dinitrogen monoxide |
| 3. CO ₂ | carbon dioxide | 8. N ₂ O ₄ | dinitrogen tetroxide |
| 4. CH ₄ | carbon tetrahydride / methane | 9. BCl ₃ | boron trichloride |
| 5. CF ₄ | carbon tetrafluoride | 10. C ₂ S ₄ | dicarbon tetrasulfide |

Write the formula for each of the following Ionic Compounds:

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|-----------------------------|---|------------------------|---------------------------------|
| 1. nickel (III) sulfide | Ni ₂ S ₃ | 6. potassium carbonate | K ₂ CO ₃ |
| 2. copper (II) sulfate | CuSO ₄ | 7. silver oxide | Ag ₂ O |
| 3. manganese (II) phosphate | Mn ₃ (PO ₄) ₂ | 8. tin (IV) selenide | Sn ₃ Se ₄ |
| 4. aluminum phosphate | AlPO ₄ | 9. lithium nitride | Li ₃ N |
| 5. magnesium hydroxide | Mg(OH) ₂ | 10. copper (I) sulfide | Cu ₂ S |

Write the formula for each of the following Molecular Compounds:

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|-------------------------|--------------------------------|--------------------------|-------------------------------|
| 1. silicon dioxide | SiO ₂ | 6. hydrogen peroxide | H ₂ O ₂ |
| 2. diboron tetrabromide | B ₂ Br ₄ | 7. dicarbon tetrasulfide | C ₂ S ₄ |
| 3. carbon tetrachloride | CCl ₄ | 8. nitrogen tribromide | NBr ₃ |
| 4. nitrogen monoxide | NO | 9. methane | CH ₄ |
| 5. sulfur dioxide | SO ₂ | 10. oxygen | O ₂ |