

Be sure to show all work, use the correct number of significant figures, circle final answers and use correct units in all problems.  
**ANSWERS appear in BOLD.**

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1. Write the names of the following compounds: (1 point each)

$\text{Na}_2\text{S}$       **sodium sulfide**

$\text{Cu}_3(\text{PO}_4)_2$       **copper(II) phosphate**

$\text{TiO}_2$       **titanium(IV) oxide**

$\text{CsNO}_3$       **cesium nitrate**

$\text{Li}_2\text{S}$       **lithium sulfide**

$\text{HCl}$       **hydrochloric acid**

$\text{PCl}_5$       **phosphorus pentachloride**

$\text{RbBr}$       **rubidium bromide**

$\text{KOH}$       **potassium hydroxide**

$\text{SF}_4$       **sulfur tetrafluoride**

2. Write the correct formula for each of the following compounds: (1 point each)

aluminum iodide -  **$\text{AlI}_3$**

nickel(II) sulfate -  **$\text{NiSO}_4$**

selenium difluoride -  **$\text{SeF}_2$**

potassium phosphide -  **$\text{K}_3\text{P}$**

nitric acid -  **$\text{HNO}_3$**

iron(III) hydroxide -  **$\text{Fe}(\text{OH})_3$**

silver(I) bromide -  **$\text{AgBr}$**

sodium hydroxide -  **$\text{NaOH}$**

nitrogen dioxide -  **$\text{NO}_2$**

vanadium(V) oxide -  **$\text{V}_2\text{O}_5$**