

Name _____ **answers** _____ Date _____

FORMULAS WITH POLYTOMIC IONS

Matching the horizontal and vertical axes, write the formulas of the compounds with the following combination of ions.

	OH ⁻	OH ₃ ⁻	CO ₃ ⁻²	SO ₄ ⁻²	PO ₄ ⁻³
H ⁺	HOH (H ₂ O)	HNO ₃	H ₂ CO ₃	H ₂ SO ₄	H ₃ PO ₄
Na ⁺	NaOH	NaNO ₃	Na ₂ CO ₃	Na ₂ SO ₄	Na ₃ PO ₄
Mg ⁺²	Mg(OH) ₂	Mg(NO ₃) ₂	MgCO ₃	MgSO ₄	Mg ₃ (PO ₄) ₂
NH ⁺⁴	NH ₄ OH	NH ₄ NO ₃	(NH ₄) ₂ CO ₃	(NH ₄) ₂ SO ₄	(NH ₄) ₃ PO ₄
Ca ⁺²	KOH	KNO ₃	K ₂ CO ₃	K ₂ SO ₄	K ₃ PO ₄
K ⁺	Al(OH) ₃	Al(NO ₃) ₃	Al ₂ (CO ₃) ₃	Al ₂ (SO ₄) ₃	AlPO ₄
Al ⁺³	Pb(OH) ₄	Pb(NO ₃) ₄	Pb(CO ₃) ₂	Pb(SO ₄) ₂	Pb ₃ (PO ₄) ₄