# FORMULAS WITH POLYTOMIC IONS

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

	он:	он,	CO,*	SO,	PO <sub>1</sub> 3
H	HOH (H₂O)	HNO <sub>3</sub>	H₂CO₃	H <sub>2</sub> SO <sub>4</sub>	H <sub>3</sub> PO <sub>4</sub>
Na'	NaOH	NaNO <sub>3</sub>	Na₂CO₃	Na₂SO₄	Na <sub>3</sub> PO <sub>4</sub>
Mg*°	Mg(OH)₂	Mg(NO <sub>3</sub> ) <sub>2</sub>	MgCO <sub>3</sub>	MgSO <sub>4</sub>	Mg <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>
ZH*	NH₄OH	NH <sub>4</sub> NO <sub>3</sub>	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	(NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub>
Ca**	кон	KNO <sub>3</sub>	K₂CO₃	K₂SO₄	K <sub>3</sub> PO <sub>4</sub>
κ.	Al(OH) <sub>3</sub>	Al(NO <sub>3</sub> ) <sub>3</sub>	Al <sub>2</sub> (CO <sub>3</sub> ) <sub>3</sub>	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	AIPO <sub>4</sub>
Al*3	РЬ(ОН)4	Pb(NO <sub>3</sub> ) <sub>4</sub>	Pb(CO <sub>3</sub> ) <sub>2</sub>	Pb(SO <sub>4</sub> ) <sub>2</sub>	Pb <sub>3</sub> (PO <sub>4</sub> ) <sub>4</sub>

## **Polyatomic Ionic Formulas Answers**

**Yi-Tong Ma** 

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