	Name: Date:	Name: Date:
	Naming Ionic Substances Worksheet	Naming Ionic Substances Worksheet
1.	You can tell that a chemical formula contains a polyatomic ion if it has more than capital letters.	You can tell that a chemical formula contains a polyatomic ion if i has more than capital letters.
2.	Name, or give the formula for, these polyatomic ions: a. Ammonium	Name, or give the formula for, these polyatomic ions: a. Ammonium
	b. Phosphate	b. Phosphate
	c. Sulfate	c. Sulfate
	d. Hydroxide	d. Hydroxide
	e CO ₃ -2	e CO ₃ -2
	fNO ₃ -1	f NO ₃ -1
	gC ₂ H ₃ O ₂ ⁻¹	g $C_2H_3O_2^{-1}$
	hHCO3 ⁻¹	hHCO3 ⁻¹
3.	If a polyatomic ion has 1 less <u>oxygen</u> than the -ate ion, its name will end in	3. If a polyatomic ion has 1 less <u>oxygen</u> than the -ate ion, its name will end in
4.	Write the names of these compounds: a. $Ca_3(PO_4)_2$	4. Write the names of these compounds: a. Ca ₃ (PO ₄) ₂
	b. KNO ₃	b. KNO ₃
	c. BaSO ₄	c. BaSO ₄