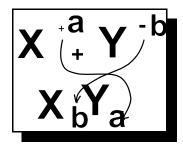
	Chemistre	† :	Form	WS4.	. 2 .	.1A
--	-----------	------------	------	------	-------	-----

BONDING

Period Date

Writing Formulas by Crossing Over

The quickest way to determine the formula of a compound of two elements or polyatomic ions is to use the Cross-Over Rule. Look up the oxidation state of each element or ion and reduce to lowest terms. Then cross over the oxidation states without the sign to find the subscripts as shown in the diagram to the right.



Using the Cross-Over Rule, determine the formula for compounds of the elements and polyatomic ions below, and write your answer in the answer space.

_____ 1. NH $_{\!\scriptscriptstyle \perp}$ and C1 _____ 2. Ba and Br _____ 3. Al and 4. Na and 5. K and PO_{Λ} 6. Ca and 7. Li and 8. Ba and CO3 _____ 9. Al and SO_4 _____ 10. Mg and NO_3 _____ 11. Li and _____ 12. Na and SO, 13. Ca and HCO3 _____ 14. Ag and CH₃COO _____ 15. Zn and

OH