



Name: ..... ( )

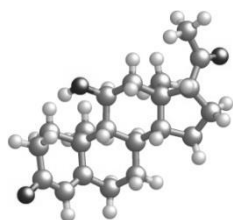
*Chem!stry* Class: .....

Date: ..... / ..... / .....

### Chemical Formulae

- Using your valency table, complete the formulae of the compounds that are formed through combinations of the following cations (positively charged ions) and anions (negatively charged ions). Remember: The charge on an ion represents the valency of the ion and is not included when writing the final formula of the compound.

	Anions								
Cations	$Cl^-$	$Br^-$	$I^-$	$OH^-$	$NO_3^-$	$O^{2-}$	$CO_3^{2-}$	$SO_4^{2-}$	$PO_4^{3-}$
$Na^+$									
$K^+$									
$NH_4^+$									
$Ag^+$									
$Ca^{2+}$									
$Mg^{2+}$									
$Fe^{2+}$									
$Cu^{2+}$									
$Pb^{2+}$									
$Fe^{3+}$									
$Al^{3+}$									
$Zn^{2+}$									



# Chem!stry

Name: ..... ( )

Class: .....

Date: ..... / ..... / .....

## Writing Chemical Formulae

• Use the valency table to write the chemical formulae of the following compounds:

- a) sodium chloride .....
- b) sodium oxide .....
- c) potassium bromide .....
- d) magnesium chloride .....
- e) magnesium oxide .....
- f) aluminium chloride .....
- g) aluminium oxide .....
- h) copper(II) oxide .....
- i) iron(III) chloride .....
- j) potassium nitrate .....
- k) calcium nitrate .....
- l) sodium carbonate .....
- m) magnesium carbonate .....
- n) copper(II) sulfate .....
- o) copper(II) nitrate .....
- p) silver nitrate .....
- q) lead(II) bromide .....
- r) lead(II) nitrate .....
- s) ammonium chloride .....
- t) ammonium nitrate .....
- u) ammonium sulfate .....
- v) silver oxide .....
- w) zinc sulfate .....
- x) zinc nitrate .....

- Scan the QR code below for the answers to this assignment.



[http://www.chemist.sg/formulae\\_equations/formulae\\_assignments/formulae\\_ans.pdf](http://www.chemist.sg/formulae_equations/formulae_assignments/formulae_ans.pdf)