

Does it have a metal?

YES

NO

Is there more than two elements?

1) Use name of first element with prefix (except mono)
2) Use name of second element with prefix with ending "ide"

YES

NO

Does the metal have more than one charge?

Does the metal have more than one charge?

YES

NO

YES

NO

1) Metal with a roman numeral
2) Polyatomic (DON'T change the name)

1) Metal
2) Polyatomic (DON'T change the name)

1) Metal with a roman numeral
2) Non-metal with ending "ide"

1) Metal
2) Non-metal with ending "ide"

DATE:

NAME:

CLASS:

CHAPTER 4**Chemical Compounds****BLM 2-15**

Goal • Use this page to identify chemical compounds.

1. Complete the following table.

Name	Formula	Ionic or Covalent?
(a)	NaCl	
(b)	MgO	
(c) lithium iodide		
(d) carbon dioxide		
(e) strontium hydroxide		
(f)	K ₂ S	
(g)	CuBr ₂	
(h) sulphur trioxide		
(i)	Ba ₃ (PO ₄) ₂	
(j) aluminum hydroxide		
(k) oxygen difluoride		
(l)	NH ₄ CN	
(m)	Fe(NO ₃) ₃	
(n) gold(III) sulphate		
(o) iron(II) carbonate		
(p) carbon tetraiodide		
(q)	FeI ₃	
(r) dinitrogen trioxide		

DATE:

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CHAPTER 4**Chemical Names and Formulas****BLM 2-14**

Goal • Review your understanding of chemical names and formulas.

What to Do

Complete the following table.

	Chemical Formula	Ionic or Covalent?	Name of Compound
1.	NH_4Cl		
2.			potassium sulphide
3.	Cl_4		
4.			calcium oxide
5.			ammonium chloride
6.	Li_3N		
7.	$\text{Mg}(\text{OH})_2$		
8.			zinc oxide
9.	CuNO_3		
10.			oxygen dichloride
11.	CuCl		
12.	FeCl_2		
13.			carbon tetrabromide
14.			aluminum chromate