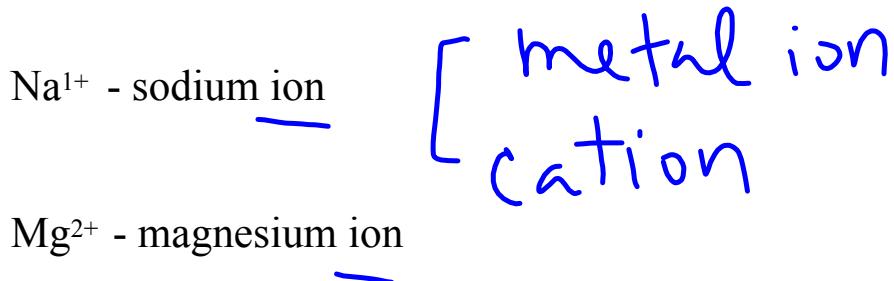


## Naming Monatomic Ions

Simple cations are named by giving the element name and adding the word "ion".



Simple anions are named by dropping the ending off the element name, adding "ide" then "ion".



non metal ions  
anion



## Periodic Table of Ions

## Worksheet #1 - Monatomic Ions

1. sodium	Na	Sodium ion	Na <sup>+</sup>
2. bromine	Br	bromide ion	Br <sup>-</sup>
b. boron	B	—	—

## Worksheet #1 - Monatomic Ions

1. sodium	Na	sodium ion	$\text{Na}^+$
2. bromine	Br	bromide ion	$\text{Br}^-$
3. magnesium	Mg	magnesium ion	$\text{Mg}^{2+}$
4. chlorine	Cl	chloride ion	$\text{Cl}^-$
5. oxygen	O	oxide ion	$\text{O}^{2-}$
6. boron	B	—	$\text{B}^+$
7. lithium	Li	lithium ion	$\text{Li}^+$
8. neon	Ne	—	$\text{Ne}^-$
9. phosphorus	P	phosphide ion	$\text{P}^{3-}$
10. aluminum	Al	aluminum ion	$\text{Al}^{3+}$
11. calcium	Ca	calcium ion	$\text{Ca}^{2+}$
12. iodine	I	iodide ion	$\text{I}^-$
13. nitrogen	N	nitride ion	$\text{N}^{3-}$
14. cesium	Cs	cesium ion	$\text{Cs}^+$
15. sulfur	S	sulfide ion	$\text{S}^{2-}$
16. fluorine	F	fluoride ion	$\text{F}^-$
17. potassium	K	potassium ion	$\text{K}^+$
18. barium	Ba	barium ion	$\text{Ba}^{2+}$
19. hydrogen	H	hydrogen ion hydride ion	$\text{H}^+$ $\text{H}^-$
20. helium	He	—	—

Assignment - Your Name in Chemical Symbols

• DUE - FRIDAY, SEPT. 18

Nancy Sherrard •

Example

Na	N	C	Y	S	H	Er <sup>•</sup>	r	Ar	d
sodium	nitrogen	carbon	yttrium	sulfur	hydrogen	erbium		argon	
sodium ion	nitride ion	—	yttrium ion	sulfide ion	hydrogen ion or hydride ion	erbium ion	—	—	
Na <sup>1+</sup>	N <sup>3-</sup>	—	Y <sup>3+</sup>	S <sup>2-</sup>	H <sup>+</sup> H <sup>1-</sup>	Er <sup>3+</sup>	—	—	

### Rubric

five chemical symbols – 5  
 five element names – 5 ←  
 five ion names – 5 ←  
 five ion symbols – 5 ←  
 \_\_\_\_\_  
 Total – 20

Chester Smith

