

Naming Monatomic Ions

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

Na^{1+} - sodium ion

metal ion
cation

Mg^{2+} - magnesium ion

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

F^{1-} - fluoride ion

nonmetal ions
anion

O^{2-} - oxide ion

N^{3-} - nitride ion

Periodic Table of Ions

Worksheet #1 - Monatomic Ions

1. Sodium	Na	Sodium ion	Na ⁺
2. bromine	Br	bromide ion	Br ⁻
b. boron	B	—	—

Worksheet #1 - Monatomic Ions

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

Assignment - Your Name in Chemical Symbols

• **DUE - FRIDAY, SEPT. 18**

Nancy Sherrard •

Example

Na	N	C	Y		S	H	Er	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 ¹⁺	N ³⁻	—	Y ³⁺		S ²⁻	H ⁺ H ¹⁻	Er ³⁺		—	

Rubric

five chemical symbols - 5	
five element names - 5	↑
five ion names - 5	↑
five ion symbols - 5	↑
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Total - 20	

Chester Smith

