

# —o Neutral Atoms to Ions Worksheet o—

Complete the following table with the correct information.

Element	What Happens When it Undergoes an Ionic Reaction?	Ion Formed	Type of Ion
Al			
Ba			
Br			
Ca			
Cl			
F			
I			
K			
Mg			
N			
Na			
O			
P			
Ra			
S			
Sr			

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## Answers

Element	What Happens When it Undergoes an Ionic Reaction?	Ion Formed	Type of Ion
Al	Loses 3 electrons	$\text{Al}^{3+}$	Cation
Ba	Loses 2 electrons	$\text{Ba}^{2+}$	Cation
Br	Gains 1 electron	$\text{Br}^-$	Anion
Ca	Loses 2 electrons	$\text{Ca}^{2+}$	Cation
Cl	Gains 1 electron	$\text{Cl}^-$	Anion
F	Gains 1 electron	$\text{F}^-$	Anion
I	Gains 1 electron	$\text{I}^-$	Anion
K	Loses 1 electron	$\text{K}^+$	Cation
Mg	Loses 2 electron	$\text{Mg}^{2+}$	Cation
N	Gains 3 electrons	$\text{N}^{3-}$	Anion
Na	Loses 1 electron	$\text{Na}^+$	Cation
O	Gains 2 electrons	$\text{O}^{2-}$	Anion
P	Gains 3 electrons	$\text{P}^{3-}$	Anion
Ra	Loses 2 electrons	$\text{Ra}^{2+}$	Cation
S	Gains 2 electrons	$\text{S}^{2-}$	Anion
Sr	Loses 2 electrons	$\text{Sr}^{2+}$	Cation