

# Valence Electrons and Ions Worksheet

Complete the table with the appropriate information.

Element	Number of Valence Electrons	Electrons Gained or Lost to Achieve Stability	Ion Formed
H			
Li			
Ca			
Br			
Na			
I			
O			
K			
F			
Ne			
Zn			
Mg			
Al			
Cl			
B			

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## Answers

Element	Number of Valence Electrons	Electrons Gained or Lost to Achieve Stability	Ion Formed
H	1	1	H <sup>+</sup>
Li	1	1	Li <sup>+</sup>
Ca	2	2	Ca <sup>2+</sup>
Br	7	1	Br <sup>-</sup>
Na	1	1	Na <sup>+</sup>
I	7	1	I <sup>-</sup>
O	6	2	O <sup>2-</sup>
K	1	1	K <sup>+</sup>
F	7	1	F <sup>-</sup>
Ne	8	0	Ne
Zn	2	2	Zn <sup>2+</sup>
Mg	2	2	Mg <sup>2+</sup>
Al	3	3	Al <sup>3+</sup>
Cl	7	1	Cl <sup>-</sup>
B	3	3	B <sup>3+</sup>