

Name : \_\_\_\_\_ Date : \_\_\_\_\_

# Ionic Bonding Worksheet

Fill the table with the correct information.

Reactions	Atoms	Valence electrons	Electrons transferred	Ions formed in
$\text{Li} + \text{F} \rightarrow \text{LiF}$				
$\text{Ca} + \text{O} \rightarrow \text{CaO}$				
$\text{Mg} + \text{S} \rightarrow \text{MgS}$				
$\text{K} + \text{F} \rightarrow \text{KF}$				

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Reactions	Atoms	Valence electrons	Electrons transferred	Ions formed in
$\text{Li} + \text{F} \rightarrow \text{LiF}$	Li	1	Li loses 1 electron	$\text{Li}^+$
	F	7	F gains 1 electron	$\text{F}^-$
$\text{Ca} + \text{O} \rightarrow \text{CaO}$	Ca	2	Ca loses 2 electron	$\text{Ca}^{2+}$
	O	6	O gains 2 electron	$\text{O}^{2-}$
$\text{Mg} + \text{S} \rightarrow \text{MgS}$	Mg	2	Mg loses 2 electron	$\text{Mg}^{2+}$
	S	2	S gains 2 electron	$\text{S}^{2-}$
$\text{K} + \text{F} \rightarrow \text{KF}$	K	1	K loses 1 electron	$\text{K}^+$
	F	1	F gains 1 electron	$\text{F}^-$