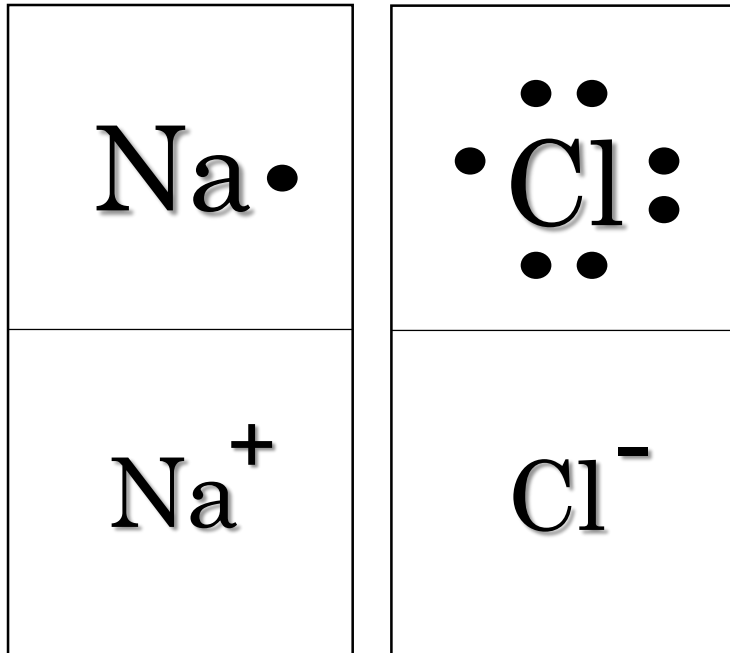


# Formation of Compounds

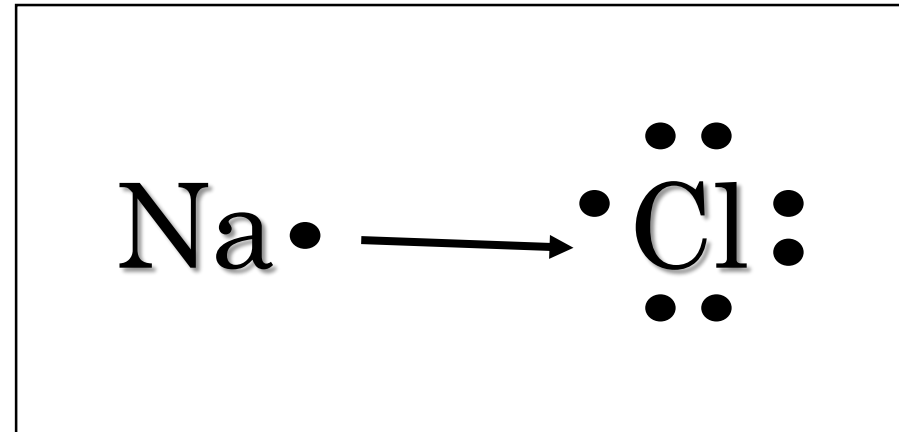


# Combining Atoms to make Compounds:

## 1) Sodium + Chlorine

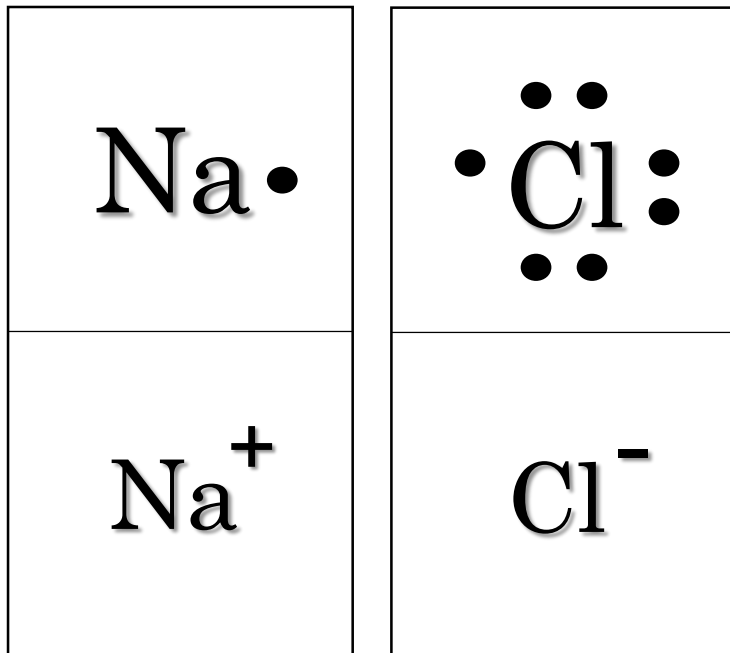


Throw them together:

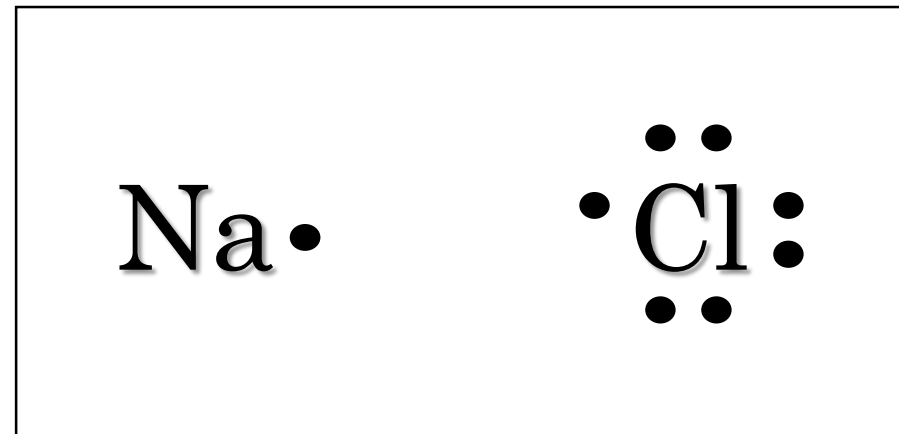


# Combining Atoms to make Compounds:

## 1) Sodium + Chlorine

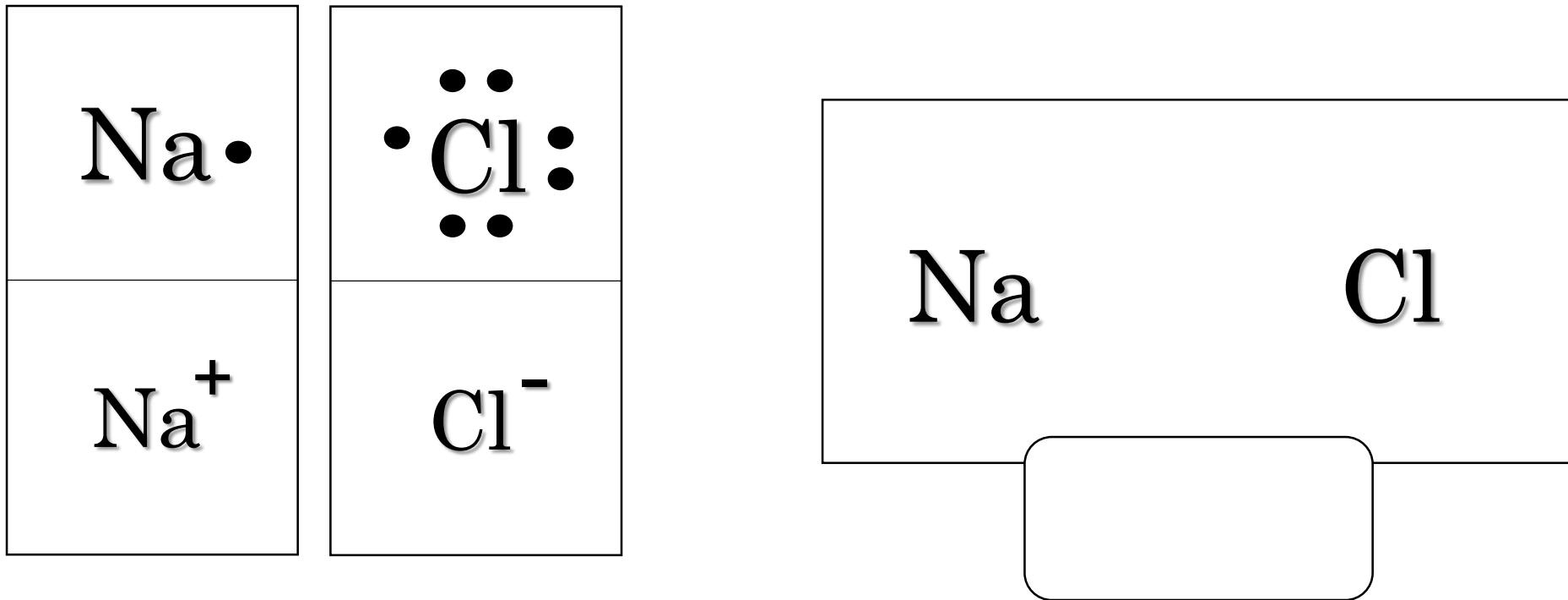


Throw them together:



# Combining Atoms to make Compounds:

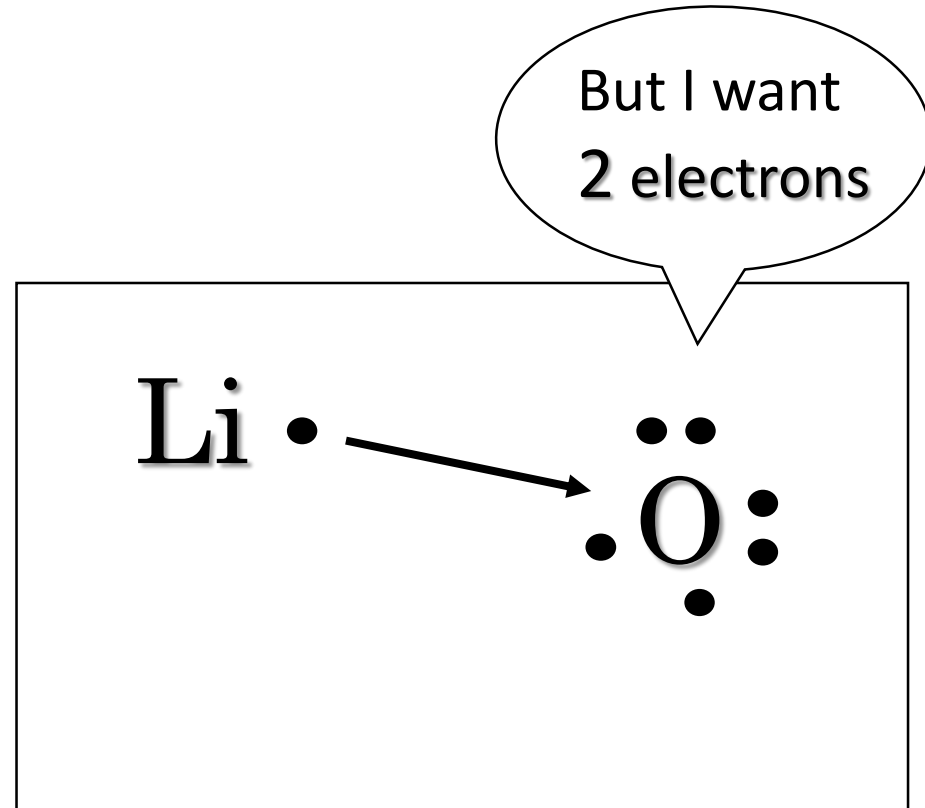
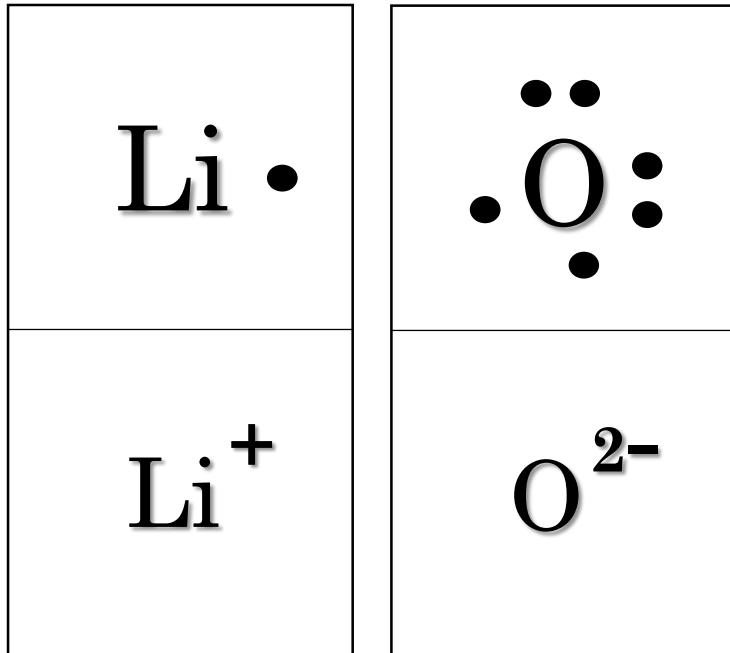
1) Sodium + Chlorine → Sodium chloride



Ion charges balance – Compound is neutral

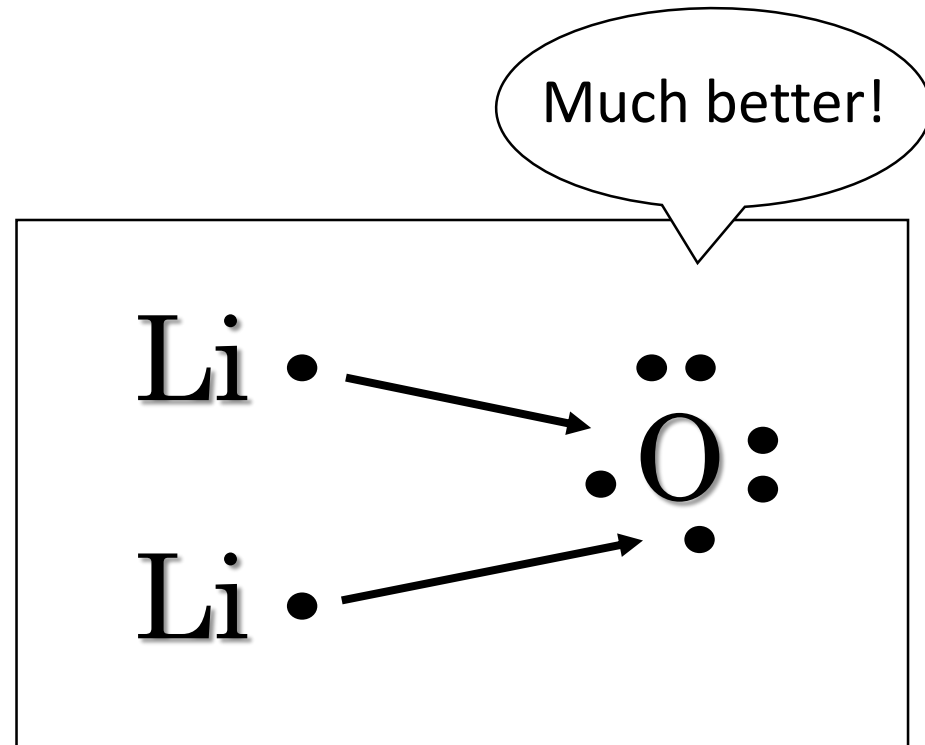
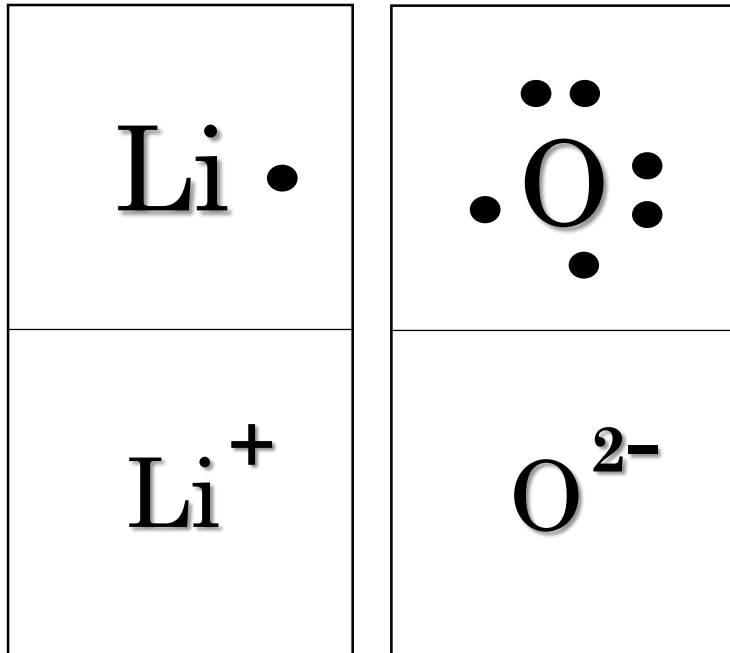
# Combining Atoms to make Compounds:

## 2) Lithium + Oxygen



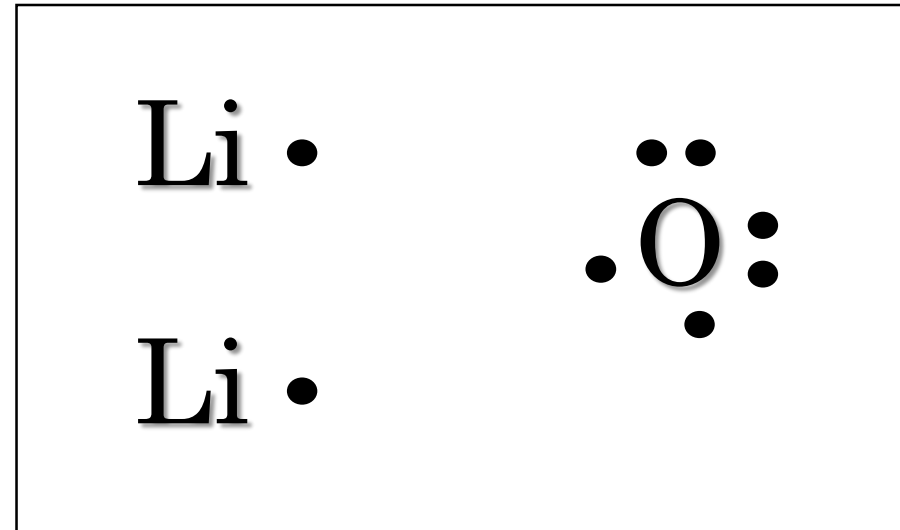
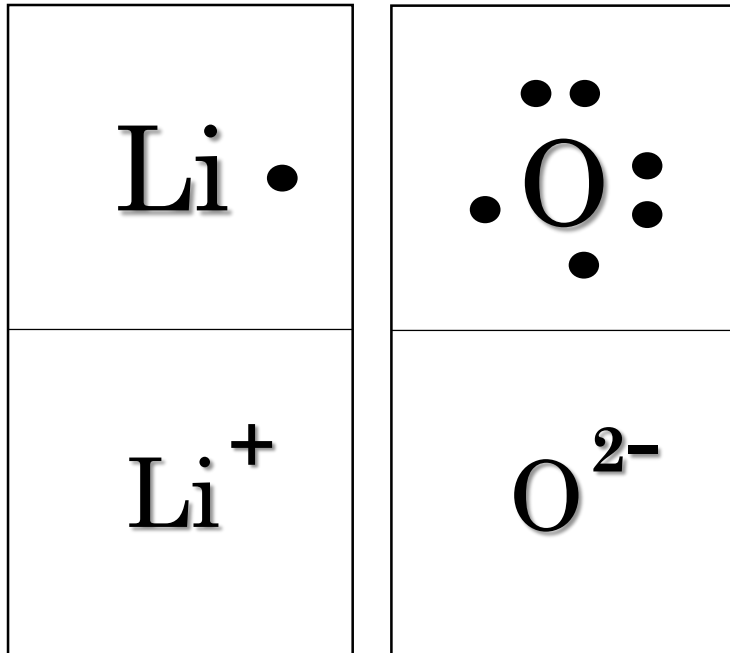
# Combining Atoms to make Compounds:

## 2) Lithium + Oxygen



# Combining Atoms to make Compounds:

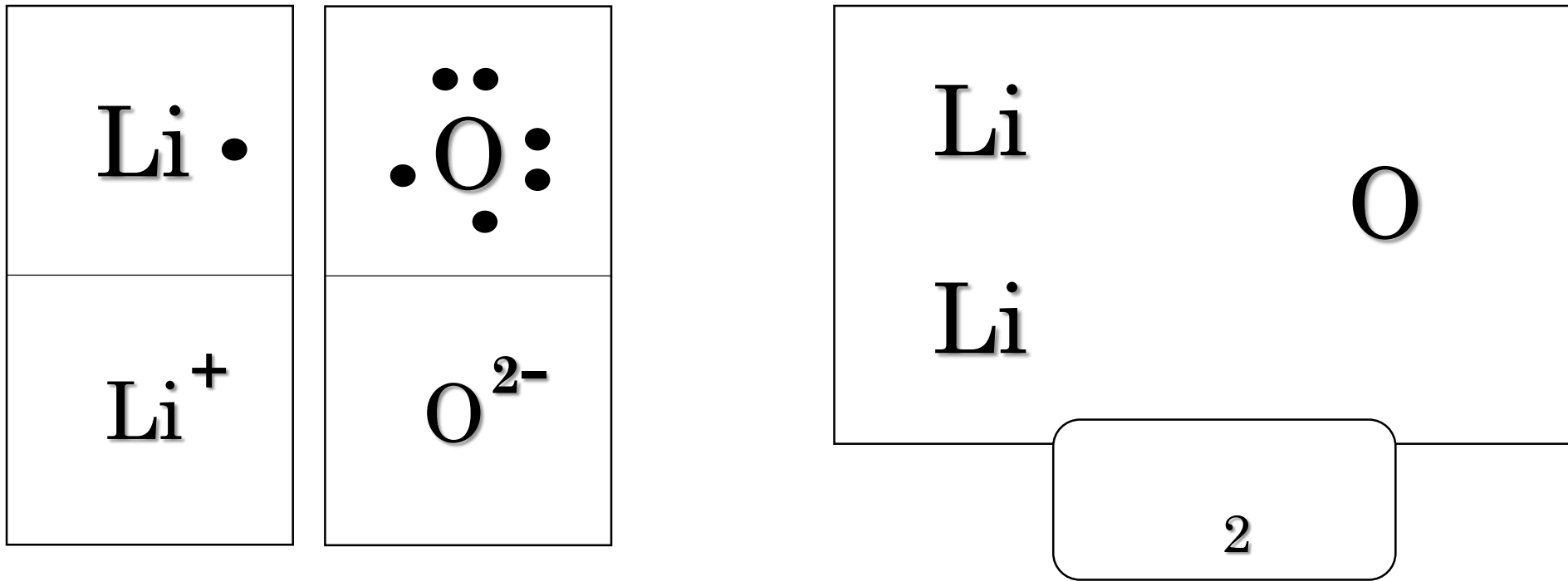
## 2) Lithium + Oxygen





## Combining Atoms to make Compounds:

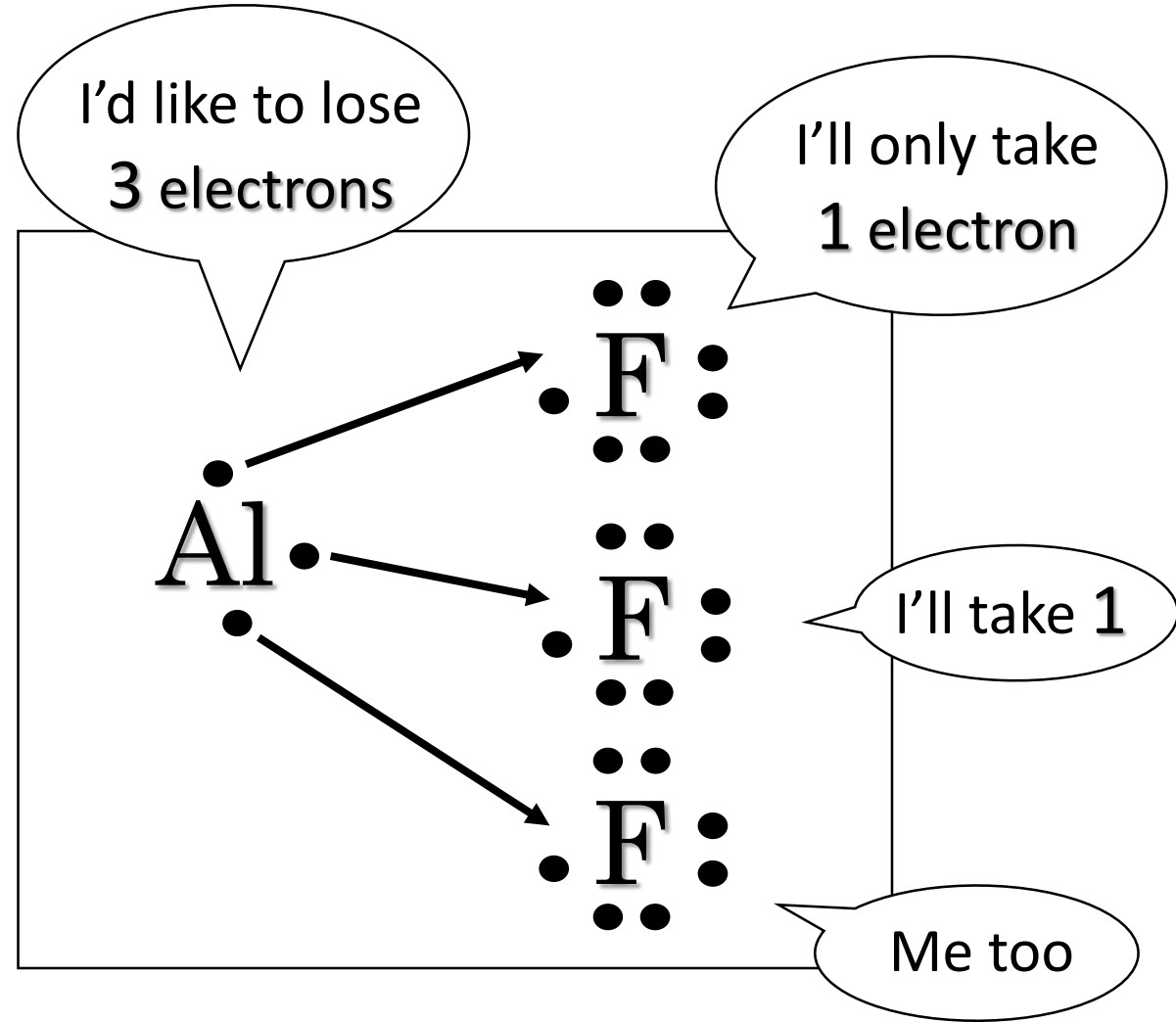
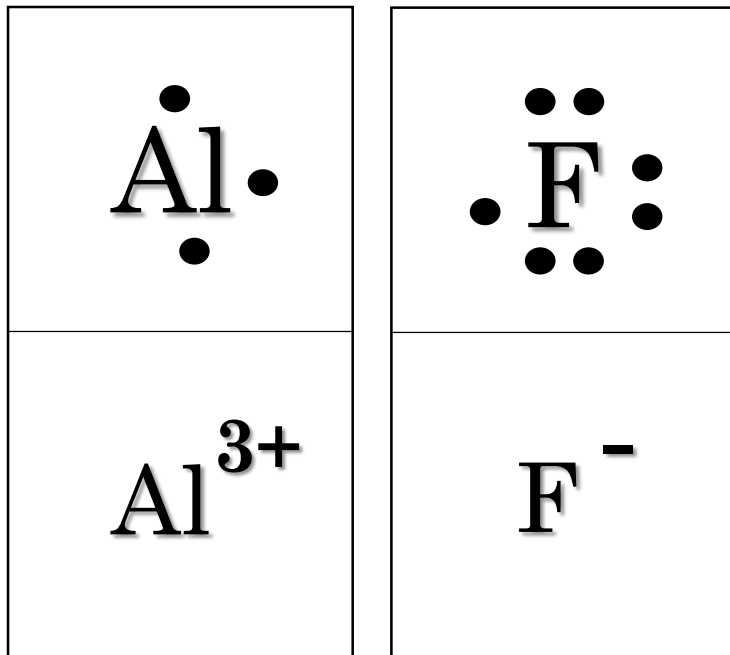
2) Lithium + Oxygen  $\rightarrow$  Lithium oxide



Ion charges balance – Compound is neutral

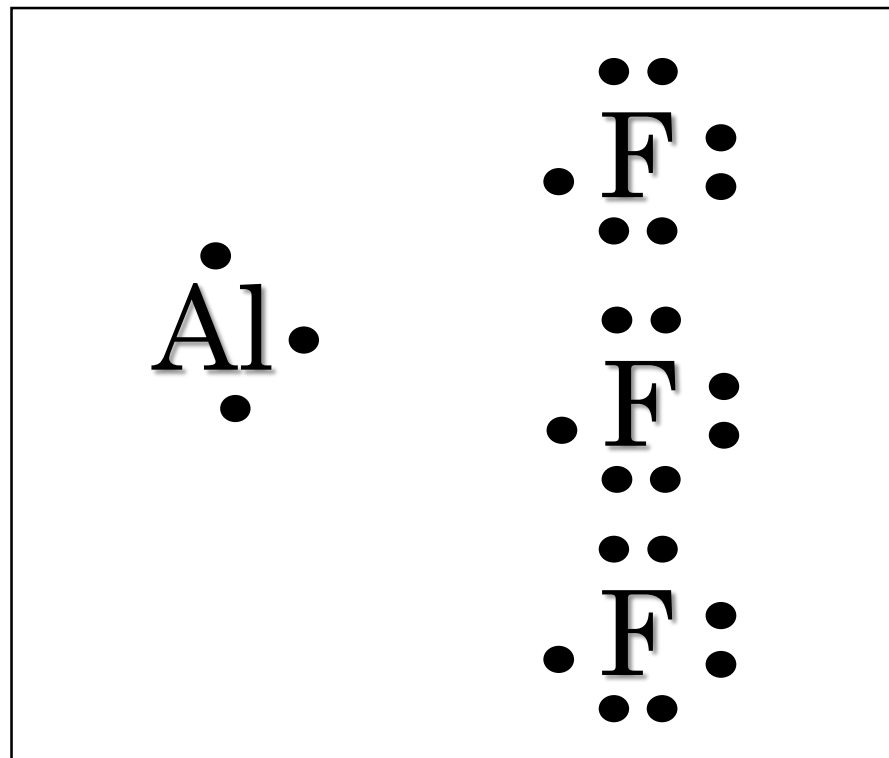
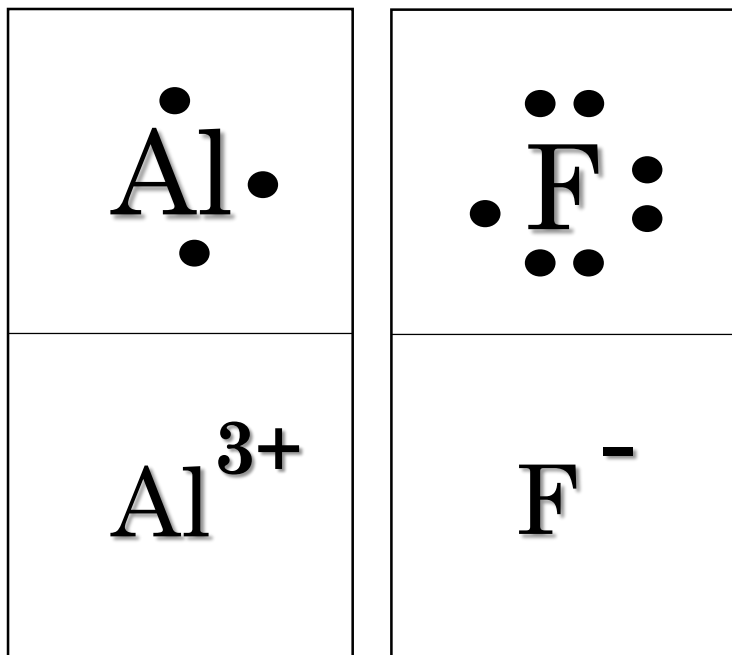
# Combining Atoms to make Compounds:

## 3) Aluminium + Fluorine



# Combining Atoms to make Compounds:

## 3) Aluminium + Fluorine



Combining Atoms to make Compounds:

3) Aluminium + Fluorine  $\rightarrow$  Aluminium Fluoride

