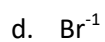


## Periodic Table Homework Answers

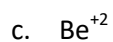
1. Complete the gaps in the table below:

Atom	Ion	Total number of electrons as an atom	Total number of electrons as an ion
Lithium			2
	$Mg^{+2}$		10
Aluminium	$Al^{+3}$	13	
Chlorine			18
Oxygen		8	
	$I^{-1}$		54

2. Give the names and the valency for each of the following ions:



3. For each of the following ions state whether it was formed by gaining or losing electrons.



# Periodic Table Homework Answers

1. Complete the gaps in the table below:

Atom	Ion	Total number of electrons as an atom	Total number of electrons as an ion
Lithium	$\text{Li}^{+1}$	3	2
Magnesium	$\text{Mg}^{+2}$	12	10
Aluminium	$\text{Al}^{+3}$	13	10
Chlorine	$\text{Cl}^{-1}$	17	18
Oxygen	$\text{O}^{-2}$	8	10
Iodine	$\text{I}^{-1}$	53	54

2. Give the names and the valency for each of the following ions:



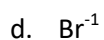
Name: Zinc Valency: 2



Name: Iron Valency: 3



Name: Nitride Valency: 3



Name: Bromide Valency: 1

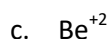
3. For each of the following ions state whether it was formed by gaining or losing electrons.



Lost



Gained



Lost



Lost



Gained