

Fill in the blanks in the following chart.

Element Name	# Valence Electrons	Lewis Dot Diagram	Metal or Nonmetal?	Most likely Ionic Charge	Name of Ion
Calcium	2	Ca:	metal	+2	Calcium ion
Sulfur	6	S:	non metal	-2	Sulfide
Potassium	1	K:	metal	+1	Potassium ion
Nitrogen	5	N:	non metal	-3	nitride
Chlorine	7	:Cl:	non metal	-1	chloride
Aluminum	3	Al:	metal	+3	aluminum ion
Phosphorus	5	:P:	non metal	-3	phosphide
Beryllium	2	Be:	metal	+2	Beryllium ion
Barium	2	Ba:	metal	+2	barium ion
Neon	8	:Ne:	nonmetal	—	doesn't form an ion
Silicon	4	Si:	metalloid	+4	Silicon ion

or -4