

Fill in the chart for atoms and ions:

Element name	Atomic number	Ion charge	Atom or ion?	Number of protons	Number of electrons
beryllium	4	2+	ion	4	2
	11	0	atom		
		0		18	18
chlorine		0			
	7	3-			10
calcium		0			
		2-		16	
	3	+			
		3+		13	

Answers:

Element name	Atomic number	Ion charge	Atom or ion?	Number of protons	Number of electrons
beryllium	4	2+	ion	4	2
sodium	11	0	atom	11	11
argon	18	0	atom	18	18
chlorine	17	0	atom	17	17
nitrogen	7	3-	ion	7	10
calcium	20	0	atom	20	20
sulfur	16	2-	ion	16	18
lithium	3	+	ion	3	2
aluminium	13	3+	ion	13	10