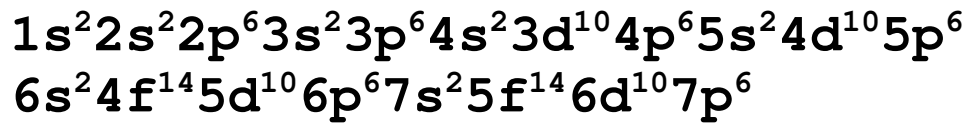


SCH 3U QUIZ - Electron Structures

1. Write the complete electron configuration for Schlankium, element number 118 (This newly discovered element is a Noble Gas)



2. Complete either the element symbol or the ending of the electron configuration as appropriate:

Element Symbol	Electron Configuration
$_{42}\text{Mo}$	4d⁴
Cd	4d ¹⁰
Lu	5d ¹
$_{50}\text{Sn}$	5p²
$_{92}\text{U}$	5f⁴
Th	5f ²

3. Complete the following table as demonstrated:

	Symbol	e ⁻ lose/gain	# of e ⁻	Resulting Ion
eg	Se	gained	2	Se²⁻
1.	Tl	l	3	Tl³⁺
2.	Ra	l	2	Ra²⁺
3.	Cl	g	1	Cl¹⁻
4.	N	g	3	N³⁻
5.	Mg	l	2	Mg²⁺
6.	Cs	l	1	Cs¹⁺
7.	Br	g	1	Br¹⁻
8.	Li	l	1	Li¹⁺
9.	H	l	1	H¹⁺
10.	Ge	l/g	4/4	Ge⁴⁺ Ge⁴⁻
11.	Ga	l	3	Ga³⁺
12.	Al	l	3	Al³⁺
13.	Po	g	2	Po²⁻
14.	C	l/g	4/4	C⁴⁺ C⁴⁻
15.	Ca	l	2	Ca²⁺
16.	Rn	--	0	Rn⁰