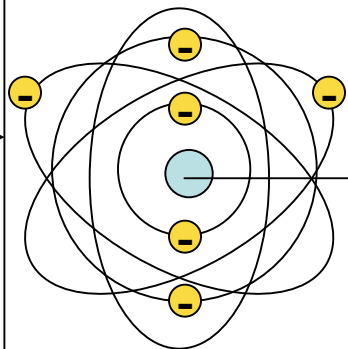


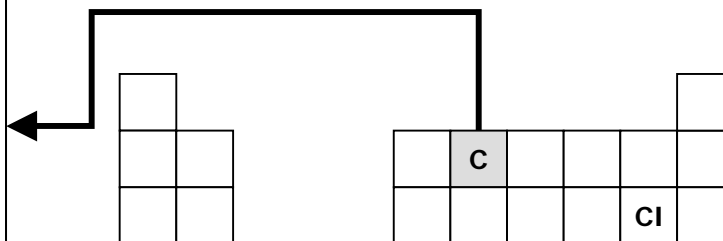
	Nucleus		Electron Configuration			Lewis
	# of protons	# of neutrons	# of electrons	Orbital diagram		
$^{14}_6\text{C}$	6	8	6			
$^{35}_{17}\text{Cl}$	17	18	17			
$^{35}_{17}\text{Cl}^-$	17	18	18			
$^7_3\text{Li}^+$	3	4	2			

Draw the neutral atom that belongs to the 2nd period



Nucleus:
6 protons
8 neutrons

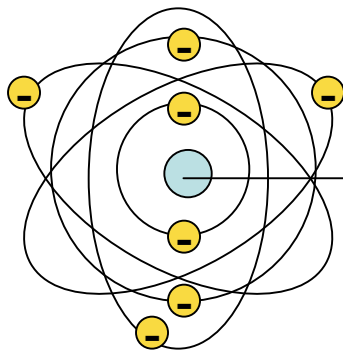
Place all the previous neutral atoms in the periodic table



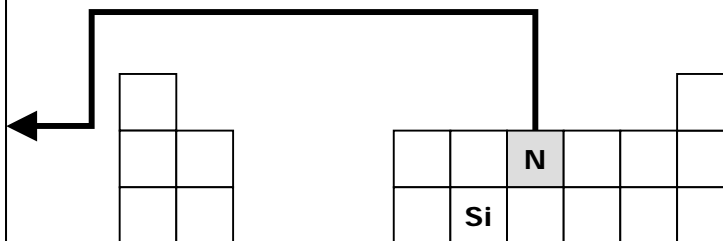
	Nucleus		Electron Configuration			Lewis
	# of protons	# of neutrons	# of electrons	Orbital diagram		
${}^{14}_7\text{N}$	7	7	7			
${}^{30}_{14}\text{Si}$	14	16	14			
${}^{16}_8\text{O}^{2-}$	8	8	10			
${}^{27}_{13}\text{Al}^{3+}$	13	14	10			

Draw the neutral atom that belongs to the 2nd period

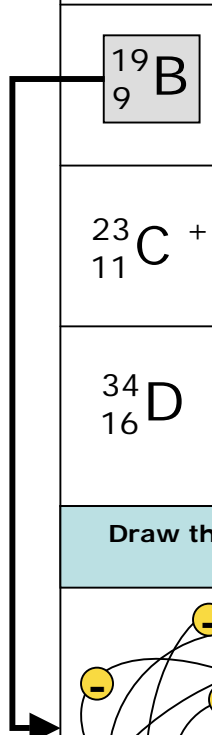
Place all the previous neutral atoms in the periodic table



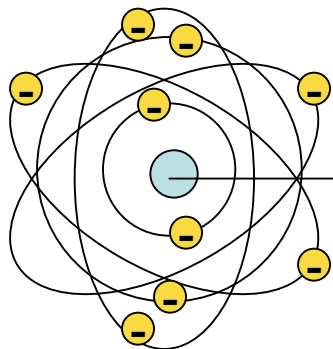
Nucleus:
7 protons
7 neutrons



	Nucleus		Electron Configuration			Lewis
	# of protons	# of neutrons	# of electrons	Orbital diagram		
${}^8_4\text{A}^{2+}$	4	4	2		Be^{2+}	
${}^{19}_9\text{B}$	9	10	9			
${}^{23}_{11}\text{C}^+$	11	12	10		Na^+	
${}^{34}_{16}\text{D}$	16	18	16			

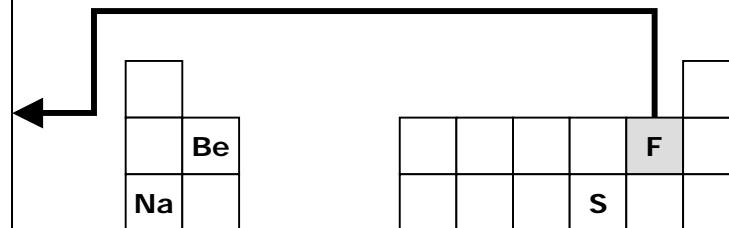


Draw the neutral atom that belongs to the 2nd period



Nucleus:
9 protons
10 neutrons

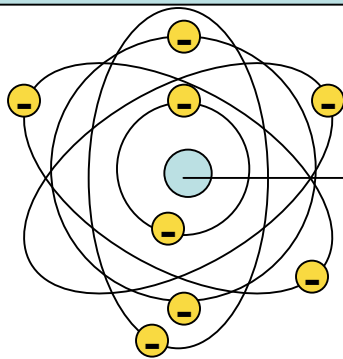
Place all the previous neutral atoms in the periodic table



	Nucleus		Electron Configuration			Lewis
	# of protons	# of neutrons	# of electrons	Orbital diagram		
${}_{12}^{25}\text{A}^{2+}$	12	13	10		Mg^{2+}	
${}_{17}^{35}\text{B}$	17	18	17			
${}_{3}^{7}\text{C}^{+}$	3	4	2		Li^{+}	
${}_{8}^{16}\text{D}$	8	8	8			

Draw the neutral atom that belongs to the 2nd period

Place all the previous neutral atoms in the periodic table



Nucleus:
8 protons
8 neutrons

