



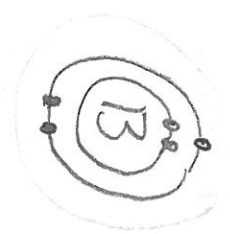
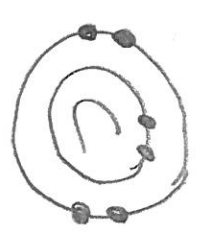
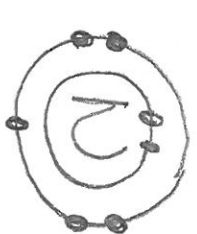
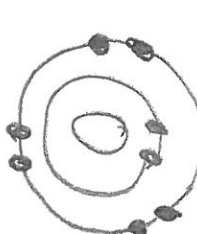
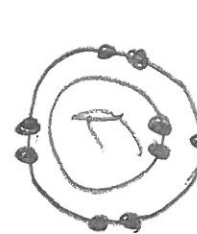
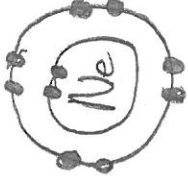
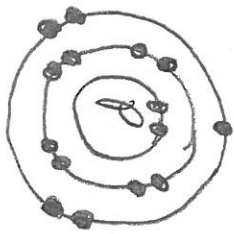
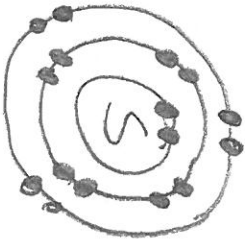
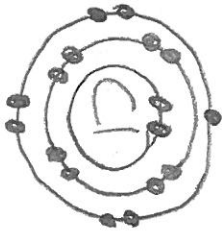
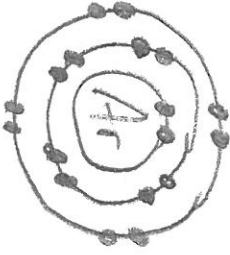


Element	Atomic #	Total # of e-	Electron Configuration ($1s^2 2s^2 2p^6 3s^2 3p^6$)	Bohr Diagram	Group #	# of valence e-	Electron Dot Diagram
Hydrogen	1	1	$1s^1$		1	1	H.
Helium	2	2	$1s^2$		18	2	He:
Lithium	3	3	$1s^2 2s^1$		1	1	Li.
Beryllium	4	4	$1s^2 2s^2$		2	2	Be:

Boron	5	5	$1s^2 2s^2 2p^1$		13	3	$\text{B}:$
Carbon	6	6	$1s^2 2s^2 2p^2$		14	4	$\text{C}:$
Nitrogen	7	7	$1s^2 2s^2 2p^3$		15	5	$\text{N}:$
Oxygen	8	8	$1s^2 2s^2 2p^4$		16	6	$\text{O}:$
Fluorine	9	9	$1s^2 2s^2 2p^5$		17	7	$\text{F}:$

Neon	10	10	$1s^2 2s^2 2p^6$		18	8	$:\ddot{\text{Ne}}:$
Sodium	11	11	$1s^2 2s^2 2p^6 3s^1$		1	1	$\text{Na}\cdot$
Magnesium	12	12	$1s^2 2s^2 2p^6 3s^2$		2	2	$\text{Mg}:\cdot$
Aluminum	13	13	$1s^2 2s^2 2p^6 3s^2 3p^1$		3	3	$\text{Al}:\cdot$
Silicon	14	14	$1s^2 2s^2 2p^6 3s^2 3p^2$		4	4	$\cdot\ddot{\text{Si}}\cdot$

Phosphorus	15	15	$1s^2 2s^2 2p^6 3s^2 3p^3$		15	5	$\cdot\dot{P}\cdot$
Sulfur	16	16	$1s^2 2s^2 2p^6 3s^2 3p^4$		16	6	$\cdot\ddot{S}\cdot$
Chlorine	17	17	$1s^2 2s^2 2p^6 3s^2 3p^5$		17	7	$\cdot\ddot{Cl}\cdot$
Argon	18	18	$1s^2 2s^2 2p^6 3s^2 3p^6$		18	8	$\cdot\ddot{Ar}\cdot$