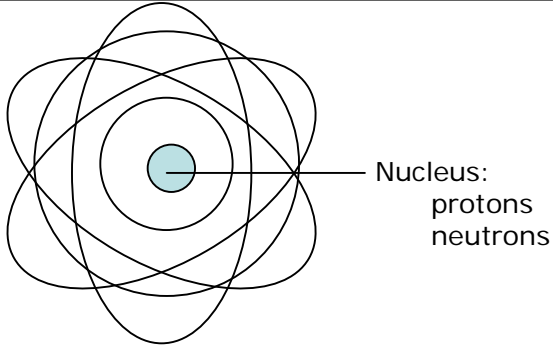


	Nucleus		Electron Configuration		
	# of protons	# of neutrons	# of electrons	Orbital diagram	Lewis
${}^{14}_6\text{C}$				 1s 2s 2p 3s 3p	
${}^{35}_{17}\text{Cl}$				 1s 2s 2p 3s 3p	
${}^{35}_{17}\text{Cl}^-$				 1s 2s 2p 3s 3p	
${}^7_3\text{Li}^+$				 1s 2s 2p 3s 3p	
Draw the neutral atom that belongs to the 2nd period				Place all the previous neutral atoms in the periodic table	

	Nucleus		Electron Configuration		
	# of protons	# of neutrons	# of electrons	Orbital diagram	Lewis
${}^{14}_7\text{N}$				 1s 2s 2p 3s 3p	
${}^{30}_{14}\text{Si}$				 1s 2s 2p 3s 3p	
${}^{16}_8\text{O}^{2-}$				 1s 2s 2p 3s 3p	
${}^{27}_{13}\text{Al}^{3+}$				 1s 2s 2p 3s 3p	
Draw the neutral atom that belongs to the 2nd period				Place all the previous neutral atoms in the periodic table	

	Nucleus		Electron Configuration																													
	# of protons	# of neutrons	# of electrons	Orbital diagram	Lewis																											
$\begin{matrix} \square \\ \square \end{matrix} \text{A}^{2+}$		13		$\begin{matrix} \square & \square & \square & \square & \square & \square & \square \\ 1s & 2s & 2p & 3s & 3p \end{matrix}$																												
$\begin{matrix} 35 \\ \square \end{matrix} \text{B}$				$\begin{matrix} \square & \square & \square & \square & \square & \square & \square \\ 1s & 2s & 2p & 3s & 3p \end{matrix}$																												
$\begin{matrix} 7 \\ \square \end{matrix} \text{C}^+$				$\begin{matrix} \square & \square & \square & \square & \square & \square & \square \\ 1s & 2s & 2p & 3s & 3p \end{matrix}$																												
$\begin{matrix} 16 \\ \square \end{matrix} \text{D}$				$\begin{matrix} \square & \square & \square & \square & \square & \square & \square \\ 1s & 2s & 2p & 3s & 3p \end{matrix}$																												
Draw the neutral atom that belongs to the 2nd period			Place all the previous neutral atoms in the periodic table																													
			<table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td></td><td></td></tr> <tr><td>C</td><td></td></tr> <tr><td></td><td>A</td></tr> </table> <table border="1" style="display: inline-table;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td>D</td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td>B</td><td></td><td></td></tr> </table>					C			A											D								B		
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