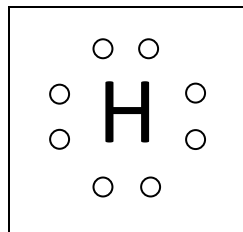
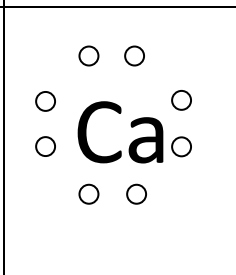
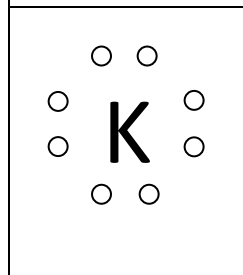
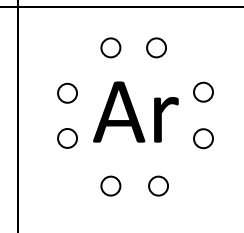
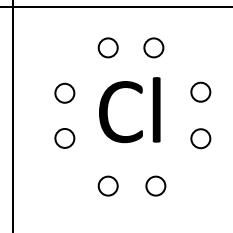
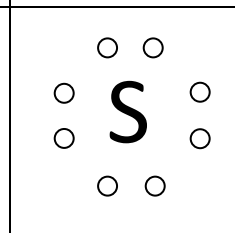
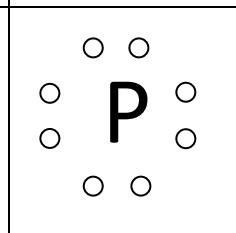
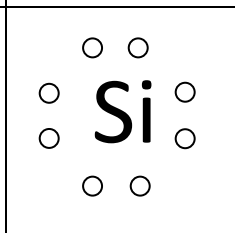
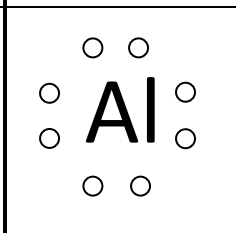
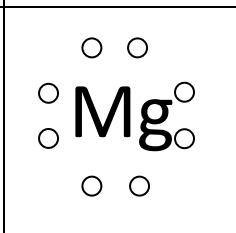
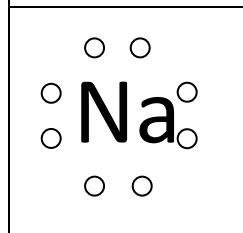
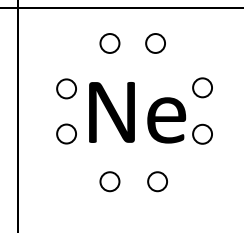
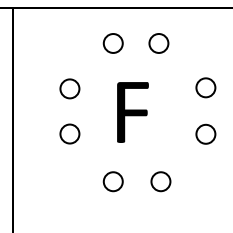
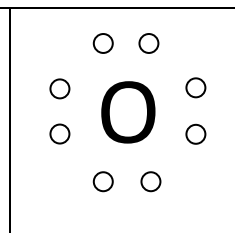
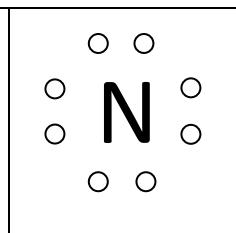
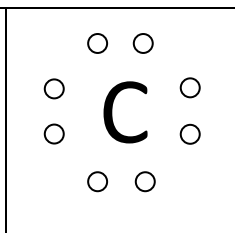
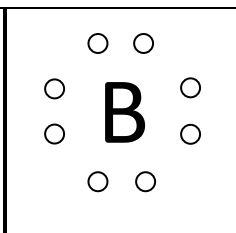
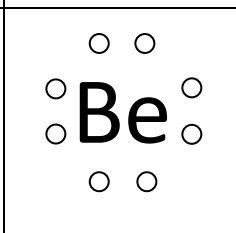
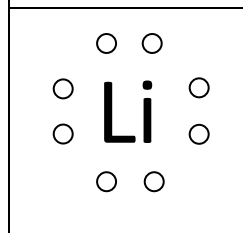
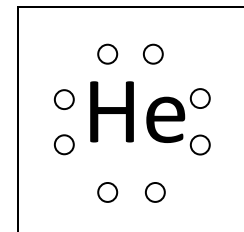


Lewis Dot or Electron Dot Diagrams



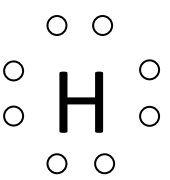
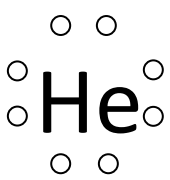
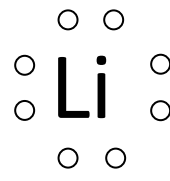
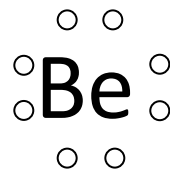
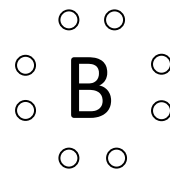
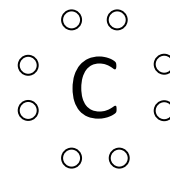
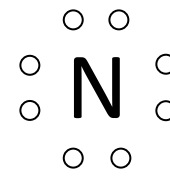
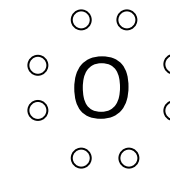
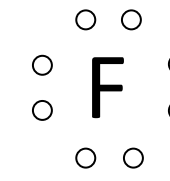
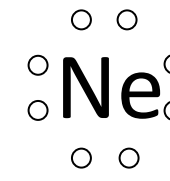
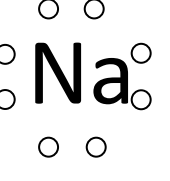
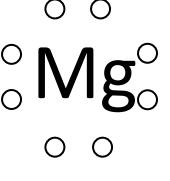
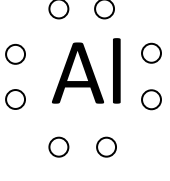
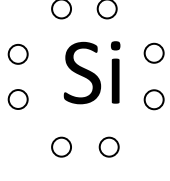
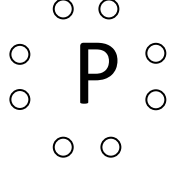
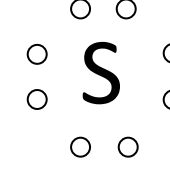
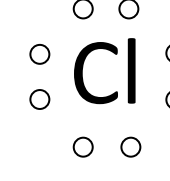
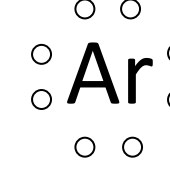
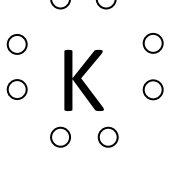
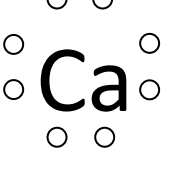
1. Complete the Electron Dot Diagrams (Lewis Dot Diagrams) for the first 20 atoms by shading in the appropriate electrons



Complete the following questions in full sentences on a separate sheet of paper

1. Label the following groups on the periodic table above: alkali metals, noble gases, halogens and alkaline earth metals.
2. What charge do all the alkali metals have when they form ions? Explain why.
3. What charge do all the halogens have when they form ions? Explain why.
4. What charge do all the alkaline earth metals have when they form ions? Explain why.
5. Why do the noble gases not form ions?

Lewis Dot or Electron Dot Diagrams of Ions

	<ol style="list-style-type: none"> 1. Complete the Electron Dot Diagrams (Lewis Dot Diagrams) for the first 20 atoms by shading in the appropriate electrons 2. Using a different colour either add (shade in) or remove (by crossing out) electrons to show the formation of the stable ion 3. Indicate the charge on the ion by placing square brackets around the diagram and writing the charge as a superscript 							
								
								
								

Complete the following questions in full sentences on a separate sheet of paper

1. Label the following groups on the periodic table above: alkali metals, noble gases, halogens and alkaline earth metals.
2. What charge do all the alkali metals have when they form ions? Explain why.
3. What charge do all the halogens have when they form ions? Explain why.
4. What charge do all the alkaline earth metals have when they form ions? Explain why.
5. Why do the noble gases not form ions?