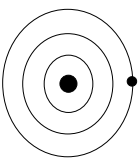
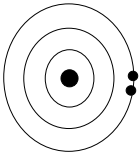
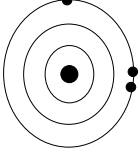
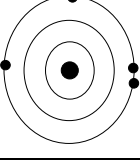
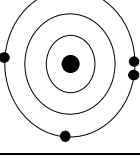
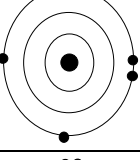
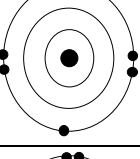
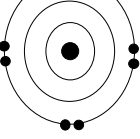


VALENCE CLUES

Directions: The diagrams below represent various atoms in which only the valence electrons are shown. Use the diagrams to provide the missing information. (Hint: Count the rings and count the electrons in the last ring.)

	Element Name	Valence Electrons	Metal, Nonmetal, Metalloid or Noble Gas	Group Number	Period Number
					
					
					
					
					
					
					
					

Directions: Draw Lewis Dot Diagrams for the following elements.

Lithium	Beryllium
Cesium	Barium
Thallium	Lead
Bismuth	Polonium
Astatine	Radon

Directions: Answer the following questions.

1. Which of the following elements has the same Lewis Dot Diagram as Lithium: Beryllium or Cesium? Explain why.
2. What do you notice about the Lewis Dot Diagrams for the elements as you move right on the periodic table from Thallium → Lead → Bismuth?
3. Which other elements on the periodic table have the same Lewis Dot Diagram as Barium?