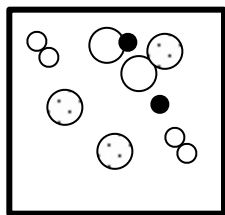
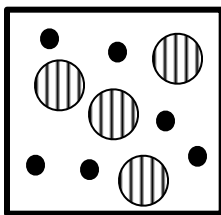


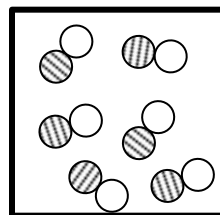
SCH4CI - Quiz: Review & Ions/Isotopes

Name: _____

1) For the following 3 diagrams, please indicate whether each is a element, compound, or mixture. If the diagram is a mixture, please indicate the number of elements or compounds in the mixture.







2) Please state whether each of the following is a physical OR chemical change:

- a) sodium reacts violently with water to produce hydrogen gas _____
- b) gatorade crystals dissolve in water _____
- c) your car burns gas _____
- d) water boils on the stove top _____

3) List two elements that belong to each of the following groups in the periodic table:

- a) noble gases: _____ & _____
- b) alkali metals: _____ & _____
- c) halogens: _____ & _____

4) Draw the Bohr-Rutherford diagram for boron

5) Fill in the following table:

Symbol	Mass #	Atomic #	# of Protons	# of Electrons	# of Neutrons	Net Charge
F	19					0
K ⁺	39		19			
O ²⁻	18			10		

6) Compare and contrast Ion & Isotope