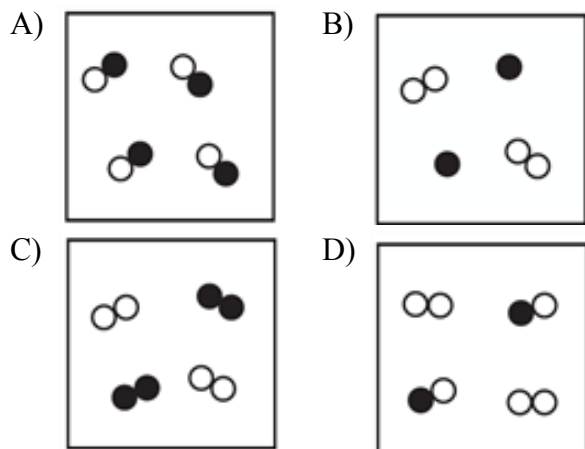
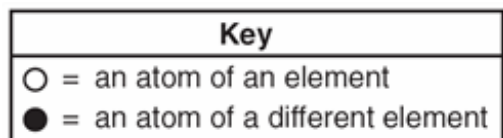


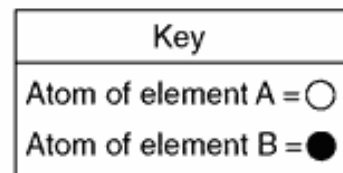
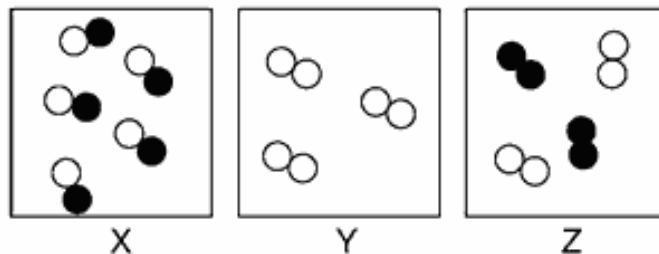
1. Which particle diagram represents a mixture of an element and a compound?



2. Which formula represents a mixture?

- A)  $C_6H_{12}O_6(\ell)$       B)  $C_6H_{12}O_6(s)$   
 C)  $LiCl(aq)$       D)  $LiCl(s)$

3. Given the diagrams X, Y, and Z below:



Which diagram or diagrams represent a mixture of elements A and B?

- A) X, only      B) Z, only  
 C) X and Y      D) X and Z
4. Which of these terms refers to matter that could be heterogeneous?
- A) element      B) mixture  
 C) compound      D) solution
5. Which sample of matter is a mixture?
- A)  $H_2O(s)$       B)  $H_2O(g)$   
 C)  $NaCl(\ell)$       D)  $NaCl(aq)$
6. Any substance composed of two or more elements that are chemically combined in a fixed proportion is
- A) an isomer      B) an isotope  
 C) a solution      D) a compound
7. Which material is a mixture?
- A) water      B) air  
 C) methane      D) magnesium
8. An example of a heterogeneous mixture is
- A) soil      B) sugar  
 C) carbon monoxide      D) carbon dioxide