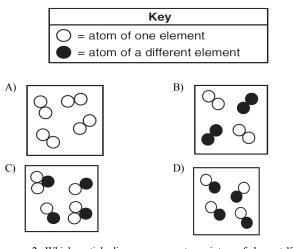
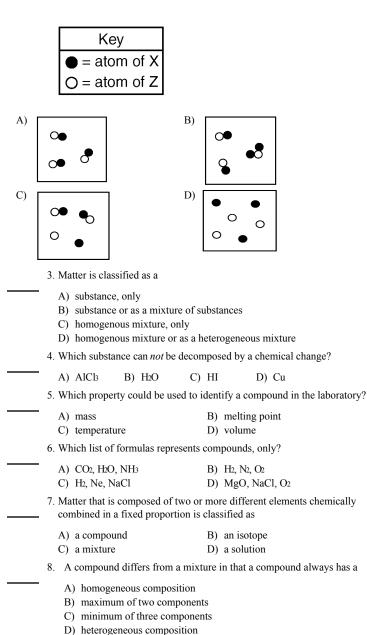
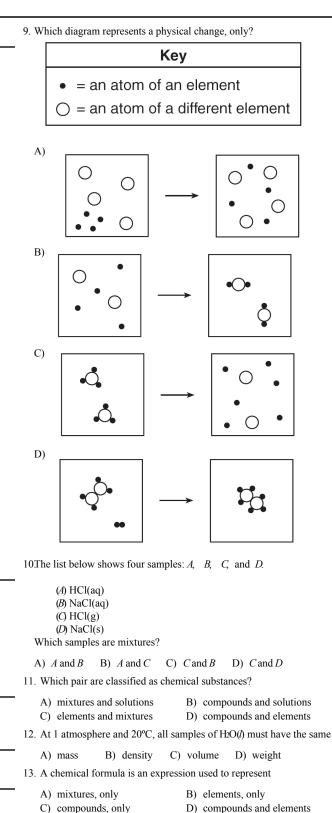


1. Which particle diagram represents a sample of one compound, only?



2. Which particle diagram represents a mixture of element X and element Z only?



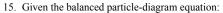


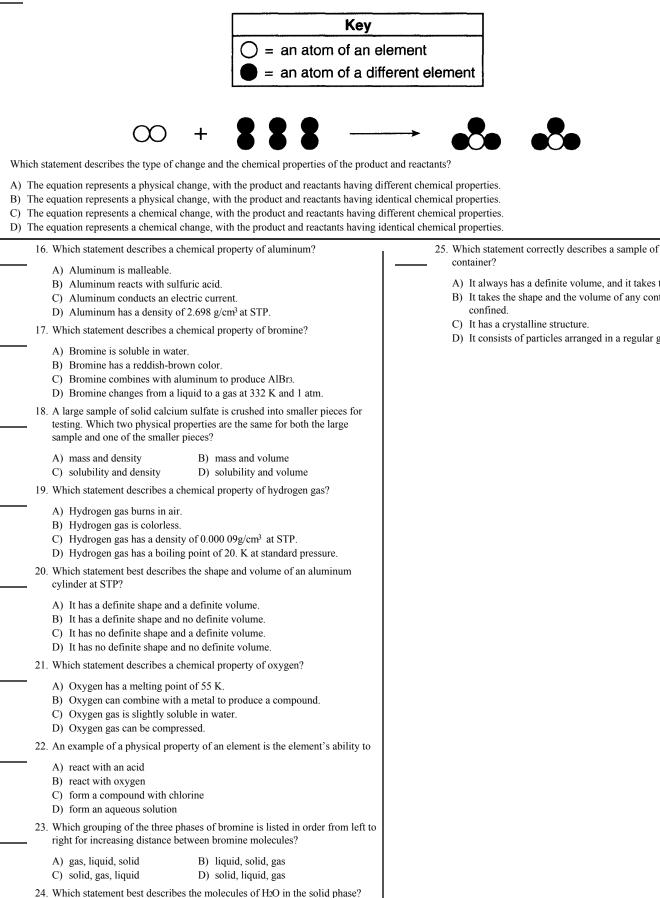
- C) compounds, only
- 14. Consider the following reaction:

 $2H_2(g) + O_2(g) \rightarrow 2H_2O(g)$

What kind of change do the reactants undergo in the reaction?

A) atomic change	B) phase change
C) chemical change	D) nuclear change





- A) They move slowly in straight lines.
- B) They move rapidly in straight lines.
- C) They are arranged in a regular geometric pattern.
- D) They are arranged in a random pattern.

- 25. Which statement correctly describes a sample of gas confined in a sealed
 - A) It always has a definite volume, and it takes the shape of the container.
 - B) It takes the shape and the volume of any container in which it is
 - D) It consists of particles arranged in a regular geometric pattern.