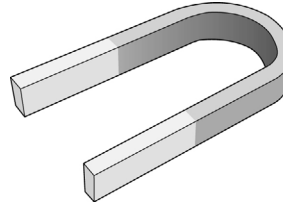


What Are Mixtures and Solutions?

Lesson 4 Quiz

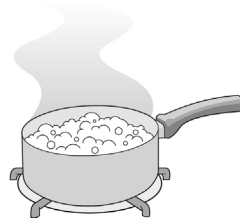
- 1 Andrea created a solution by adding food coloring to water. Her solution is also a mixture. Which of these is true of **all** solutions?
- (A) They are all liquids.
 - (B) They all include water.
 - (C) The parts of all solutions are evenly mixed.
 - (D) The substances are always permanently combined.
- 2 Heidi combined lettuce, tomatoes, cucumbers, and shredded cheese to make a salad. Which **best** describes what Heidi made?
- (F) combination
 - (G) element
 - (H) mixture
 - (I) solution
- 3 A company collects cans for recycling. Some cans are made of aluminum, and others are made of steel. Which of the following is the **best** way to separate the mixture of the two types of cans?
- (A) by size
 - (B) by shape
 - (C) by magnetism
 - (D) by evaporation

- 4 The following illustration shows a tool that can be used to separate elements of certain mixtures.



This tool can separate what type of mixture?

- (F) a solution, such as salt water
 - (G) a mixture of particles with different densities
 - (H) a mixture of particles of different sizes, such as seashells and sand
 - (I) a mixture of magnetic and nonmagnetic items, such as steel and aluminum cans
- 5 The pot contains a mixture.



The method shown in the picture can be used to separate what type of mixture?

- (A) a solution, such as salt water
- (B) a mixture of particles with different densities
- (C) a mixture of particles of different sizes, such as seashells and sand
- (D) a mixture of steel, which is magnetic, and aluminum, which is not magnetic