

First Quarter Assessment

Encircle the letter of the best answer.

1.	throug a. b. c.	ure is a combination of two or more substances. When it appears uniform all hout, it is called a homogeneous mixture heterogeneous mixture homozygous mixture heterozygous mixture
2.	a. b. c.	of the following does NOT describe a heterogeneous mixture? The composition of the mixture is the same all throughout. The composition of the mixture is visible. The composition of the mixture can be easily identified. None - all are correct
3.	a. b.	ure that is formed when one substance dissolves into another is called a solute solvent solution compound

- 4. Which of the following statements is correct?
 - a. A solution is a heterogeneous mixture.
 - b. A solvent is the substance that is being dissolved.
 - c. A solute is the substance that does the dissolving.
 - d. Water is called the "universal solvent" because it is able to dissolve more substances than any other liquid.
- 5. Which of these factors affect solubility?
 - a. the size of the solute
 - b. the amount of the solvent
 - c. the temperature of the solvent
 - d. all of the above



0.	a. True	
	b. False	
7.	Steel is an example of a	
	a. colloid	
	b. compound	
	c. solution	
	d. suspension	
8.	Clean air is an example of a	
	a. colloid	
	b. compound	
	c. solution	
	d. suspension	
9.	Which of these mixtures is homogeneous?	
	a. colloid	
	b. solution	
	c. suspension	
	d. all of the above	
10.	Which of these mixtures is heterogeneous?	
	a. colloid	
	b. solution	
	c. suspension	
	d. a and c	
11.	Three beakers contain a solution, a colloid, and a suspension, but you don't know which	
	is which. You notice that in one of the beakers, particles have settled at the bottom.	
	This must be the	
	a. colloid	
	b. solution	
	c. suspension	





- 17. At construction sites, stones and all sorts of debris can get mixed into the sand. To get the stones out, construction workers often use which separation technique?
 - a. sieving
 - b. evaporation
 - c. decantation
 - d. distillation
- 18. You can use a magnet to separate ____.
 - a. sand from gravel
 - b. sand from aluminum powder
 - c. sand from iron filings
 - d. sand from sugar
- 19. You need to separate two liquids that have different densities. Which separation technique can you use?
 - a. filtration
 - b. decantation
 - c. using a magnet
 - d. sieving
- 20. When you dry your clothes by spinning them in the washing machine, you are using a separation technique called centrifugation. But when you dry the clothes by hanging them outside, on a clothesline, under the heat of the sun, you are using which separation technique?
 - a. still centrifugation
 - b. filtration
 - c. evaporation
 - d. distillation