



Name -----	Gr. / 7	Subject/ Science	Worksheet#5
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Unit:5, Lesson:1**Solutions****Textbook Pgs. (266 - 275)*****Lesson Vocabulary***

Solution:	a mixture in which two or more substances are so completely blended and evenly distributed that cannot identify the different parts
Solute:	the substance that is being dissolved in a solution
Solvent:	the substance in the solution that does the dissolving
Concentration:	the measure of the amount of solute dissolved in a solvent
Solubility:	The ability to dissolve in a given amount of solvent at a certain temperature and pressure

Q1. Answer the following questions.

1. How can soda water loss its fizz faster as it warms up.

.....
.....

2. Name three ways can be used to increase solubility of a solid in a liquid.

- 1.
- 2.
- 3.

Q2. Choose the correct answer:

1) A mixture of particles that are relatively small and well mixed is a correct description for a(n).....

- a- colloid
- b- solution
- c- suspension

2) A solution which holds a higher concentration of a solute than is normally possible at a certain temperature and pressure is called a

- a- solvent
- b- supersaturate
- c- mixture

3)A mixture of particles that are large enough to scatter or block light is a correct description for ?

- a- colloid
- b- solution
- c- suspension

4) A liquid mixture in which particles can be seen and easily separated by settling or filtration is a

a- solution

b- suspension

c- solvent

5) How is a dilute solution different from a concentrated solution?

a- The dilute solution has a liquid solvent.

b- The dilute solution has a smaller total volume.

c- The dilute solution has less solute per volume of solvent.

6) A is a mixture of tiny particles that are bigger than those in a solution, but smaller than in a suspension.

a- colloid

b- element

c- compound

7) Saltwater is an example of a solution. Compared to the salt, which term best describes the water in the solution?

a- solute

b- mixture

c- solvent

8) Which of the following will slow the rate at which sugar dissolves in water?

a- cooling the water

b- crushing the sugar

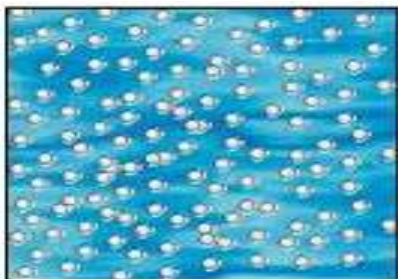
c- increasing the amount of sugar

9) Sugar in jar A is added to water in jar B, as shown in the diagram below. Which statement is true about the substance in Jar C?

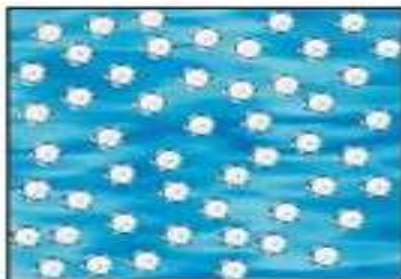


- a. The substance is a homogeneous mixture.
- b. The sugar remains separate from the water.
- c. The particles in the substance will scatter light.

Q3. In the table below, compare between the types of mixtures:



True solution



Colloid



Suspension

Particle size			
Effect of light			
Effect of gravity			
Separation by filter paper			