Name:

Water and Mixtures

**What are mixtures?**

1. All parts of a keep their own properties and do not for new substances.

2. In general, a mixture can be separated into its , using just physical changes to do the task.

3. A mixture that contains different substances whose parts are easily seen is a mixture.

**What are some kinds of mixtures?**

4. A mixture in which the parts separate upon standing is a .

5. A homogeneous mixture made up of ver small droplets suspended in antoher liquid is an

6. A stable homogeneous mixture that contains very small particles of one material scattered throughout another material is a

**Are solutions homogeneous mixtures?**

7. The appearance of a homogeneous mixture is the throughout the mixture.

8. In a solution a is dissolved in a .

9. A solution made of one or more metals and other solids is an .

10. A solution is if only a small number of particles are dissolved in it.

11. When no more solute will dissolve in a solvent, the solution is

12. The amount of a solute that will dissolve in a particular solvent is described as

13. You can make a solute dissolve more quickly by , , or breaking up the solute.

14. The solubility of a solute usually increases when a solvent is .

**How can mixtures be separated?**

15. The parts of a mixture can be separated by methods.

16. The process that separates two liquids by vaporizing and condensing is

Match the correct letter with the description

a. alloy b. colloid c. distillation d. emulsion

e. mixture f. solubility g. solution h. suspension

1. two or more physically combined substances

2. a method of separating two liquids with different boiling points

3. a mixture whose parts settle out upon standing

4. the amount of a substance that can dissolve in a solvent

5. a solid solution made from one or more metals and other solids

6. a mixture with very small droplets that stay suspended in a liquid

7. a solute dissolved in a solvent

8. a stable homogeneous mixture that blocks light in which very small particles of one material are scattered throughout another material