Name:

Mixtures

Use your text book to help you complete each statement.

**What are mixtures?**

1. A physical combination of substances that remain the same is a .

2. Mixtures can be into their original substances.

3. Mixtures with different parts that can be plainly seen with the naked eye are called

mixtures.

4. Mixtures that look smooth to the naked eye but speckled under a microscope are called

5. Over time, one or more parts of a suspension can (2 words).

6. A heterogeneous mixture with parts that do not settle out is called a(n) .

**What are solutions?**

7. A mixture that looks the same everywhere, even under a microscope is called a

8. The part of a solution that is dissolved is the

9. The part of the solution that dissolves the other substance is called the

10. A solution of two or more solids is an

11. Because it can dissolve many things, water is called the (2words)

**How can you take mixtures apart?**

12. To separate one part of a mixture from another, you can use a (2words)

13. When two liquids in a mixture have different boiling points, they can be separated by

14. Because liquids travel at different speeds through an absorbent paper, they can be separated by

**How are mixtures used?**

15. Cheese, gelatin, marshmallows, and paint are all examples of useful .

16. Copper is alloyed with zinc to make .

Choose a word from the box below that answers each question.

a. alloy c. distillation e. solubility g. solurion

b. colloid d. mixture f. solute h. solvent

1. I am smoke, cheese, and foam. I am a mixture that does not settle. Who am I?

2. I am the water in sugar water. Who am I?

3. I am the sugar in sugar water. Who am I?

4. I am steel and I am brass. Who am I?

5. I am the maximum amount of solute that can go into a solvent. What am I?

6. Using evaporation and condensation, I can separate the liquids in a mixture. What am I?

7. I am a combination two or more materials, but none of my parts are chemically combined. What am I?

8. I can be made with solids, liquids, and gases. All my parts blend so that I look the same everywhere, even under a microscope. Who am I?