NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 4

What is a physical change?

**A physical change deals with the state of matter. Changes in state or phase are physical changes.**

What is a chemical change?

**A chemical change produces a new substance.**

Is the following a physical change or a chemical change?

|  |  |  |
| --- | --- | --- |
| 1 | Cooking |  |
| 2 | Burning |  |
| 3 | Coloring |  |
| 4 | Cutting |  |
| 5 | Rusting |  |
| 6 | Dissolving |  |
| 7 | Changing States |  |
| 8 | Breaking |  |
| 9 | Digesting |  |
| 10 | Mixing |  |

**1. Chemical 2. Chemical 3. Physical 4. Physical 5. Chemical 6. Chemical 7. Physical 8. Physical 9. Physical 10. Chemical**

What is the difference between a mixture and a solution?

**A solution consists of two or more substances. Mixtures are products of blending chemical substances.**  
What is the difference between the solvent and the solute?

**A solvent is a substance which dissolves a solute. Solute is a substance that dissolves into a solvent.**