

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Due Date: \_\_\_\_\_

# Physical and Chemical Change Homework

Answer the following questions:

1. Sugar dissolves in hot water to form a concentrated sugar syrup. When the sugar syrup is allowed to cool, you can get back the sugar crystals. What does this process indicate?
2. State whether true or false:
  - a. When egg is boiled, both physical and chemical changes take place.
  - b. The process of photosynthesis is a physical change.
  - c. Digestion of food is a chemical process.
  - d. During a chemical change, changes in the chemical composition of matter take place.
  - e. Souring of milk is a physical change.
  - f. Making orange juice is a physical change.

## Physical and Chemical Change Homework

3. What is the difference between melting wax and burning a candle based on changes in matter?
  
  
  
  
  
  
  
  
  
  
4. Explain why burning fire crackers is a chemical change?
  
  
  
  
  
  
  
  
  
  
5. Why is a physical change named so?
  
  
  
  
  
  
  
  
  
  
6. What happens when steam is condensed?
  
  
  
  
  
  
  
  
  
  
7. State whether the following are physical change or chemical change.
  - a. Tearing of paper into several pieces:
  
  
  
  
  
  
  
  
  
  
  - b. Burning of a piece of paper:
  
  
  
  
  
  
  
  
  
  
  - c. Hammering a nail on a wood plank:
  
  
  
  
  
  
  
  
  
  
  - d. Mixing of two transparent liquids form a cloudy precipitation:
  
  
  
  
  
  
  
  
  
  
  - e. Cutting a watermelon into pieces: