

## Physical/chemical changes

A physical change is any change that alters the form or appearance of matter but does not make it into a different substance.

Ex: boiling, melting, freezing, and shredding.

A chemical change is a change in matter that produces one or more new substances.

Ex: cooking an egg or burning a fire.

*Answer the following:*

1. Which of the following is a chemical change?
  - a. Freezing liquid Mercury
  - b. Adding yellow to blue to make green
  - c. Cutting a piece of paper into two pieces
  - d. Dropping a sliced orange into a vat of Sodium Hydroxide
2. Which of the following is a physical change?
  - a. Shattering Glass with a baseball
  - b. Corroding Metal
  - c. Fireworks Exploding
  - d. Lighting a match
3. Which of the following is a chemical change?
  - a. Painting a wall blue
  - b. A bicycle rusting
  - c. Ice cream melting
  - d. Scratching a key across a desk
4. Which of the following is a physical change?
  - a. Frying an egg
  - b. Digesting carrots
  - c. A Macbook falling out of a window
  - d. Mitochondria breaking down food for energy in the human body