

Changes Around Us
Activity 1
Know Your Changes

Viva Voce:

1. A change is called physical change because-
 - a) only change in physical properties takes place.
 - b) it occurs in a short period of time.
 - c) it changes the composition of a substance.
 - d) All of the above
2. A chemical change is one which occurs with-
 - a) the formation of new substances
 - b) the evolution or absorption of energy
 - c) Both the above
 - d) None of these
3. Select the one that is a chemical change.
 - a) Rusting of iron
 - b) Tearing of paper
 - c) Cutting of vegetables
 - d) Dissolution of salt in water
4. Choose the correct alternative to complete the given analogy.
Physical change : Boiling : : Chemical change: _____
 - a) Melting
 - b) Burning
 - c) Condensing
 - d) Evaporating
5. A change that results in formation of new substances and can't be reversed easily is known as a-

- a) physical change
 - b) chemical change
 - c) reversible change
 - d) None of these
6. A physical change is a-
- a) temporary change.
 - b) change in which no new substance is formed.
 - c) reversible change.
 - d) All the above are correct
7. Which of the following is an example of chemical change?
- a) Filling up a balloon with hot air.
 - b) Taking a glass of water and freezing it by placing it in the freezer.
 - c) Photosynthesis
 - d) None of these
8. A change can be physical as well as irreversible. Choose the example which agrees with this statement.
- a) Cooking of food
 - b) Breaking of glass tumbler
 - c) Knitting of sweater
 - d) Both b) and c)
9. The melting of wax is an example of-
- a) physical change
 - b) chemical change
 - c) reversible change
 - d) Both a) and c)
10. Which is an example of a physical change?
- a) Corrosion
 - b) Boiling of water
 - c) Burning of paper
 - d) None of these

Answer Key:

- 1. a) only change in physical properties takes place.
- 2. c) Both of the above
- 3. a) Rusting of iron
- 4. b) Burning
- 5. b) chemical change
- 6. d) All the above are correct
- 7. c) Photosynthesis
- 8. d) Both b) and c)
- 9. d) Both a) and c)
- 10. b) Boiling of water