

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Physical and Chemical Change

Q1. Classify the changes involved in the following processes as physical or chemical changes:

- Ans. (a) Photosynthesis - \_\_\_\_\_  
(b) Dissolving sugar in water - \_\_\_\_\_  
(c) Burning of coal - \_\_\_\_\_  
(d) Melting of wax - \_\_\_\_\_  
(e) Beating aluminium to make aluminium foil - \_\_\_\_\_  
(f) Digestion of food - \_\_\_\_\_  
(g) Condensation of steam - \_\_\_\_\_  
(h) Spoiling of food - \_\_\_\_\_  
(i) Burning of coal - \_\_\_\_\_

Q2. When a candle burns, both physical and chemical changes take place. Identify these changes. Give another example of a familiar process in which both the chemical and physical changes take place.

Ans. \_\_\_\_\_  
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## Physical and Chemical Change

Q1. Classify the changes involved in the following processes as physical or chemical changes:

- Ans. (a) Photosynthesis - chemical change
- (b) Dissolving sugar in water - physical change
- (c) Burning of coal - chemical change
- (d) Melting of wax - physical change
- (e) Beating aluminium to make aluminium foil - physical change
- (f) Digestion of food - chemical change
- (g) Condensation of steam - physical change
- (h) Spoiling of food - chemical change
- (i) Burning of coal - chemical change

Q2. When a candle burns, both physical and chemical changes take place. Identify these changes. Give another example of a familiar process in which both the chemical and physical changes take place.

Ans. When a candle burns, both physical and chemical changes take place.

The melting of the solid wax to form liquid wax and the evaporation of liquid wax to form wax vapour are physical changes. The burning of the wax vapour is a chemical change.

### Example

Burning of LPG involves both physical and chemical changes because when LPG comes out of cylinder and is converted from liquid to gaseous state it is a physical change. When the gas burns in air it is a chemical change.