

Science

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(Chapter – 5) (Physical and Chemical Changes)
(Class – VII)

Question 1:

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

- (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

Answer 1:

Physical Changes:

(b) Dissolving sugar in water, (d) Melting of wax, (e) Beating Aluminium to make Aluminium foil.

Chemical Changes:

(a) Photosynthesis, (c) Burning of coal, (f) Digestion of food

Question 2:

State whether the following statements are true or false. In case a statement is false, write the corrected statement in your notebook.

- (a) Cutting a log of wood into pieces is a chemical change. (True/False)
- (b) Formation of manure from leaves is a physical change. (True/False)
- (c) Iron pipes coated with zinc do not get rusted easily. (True/False)
- (d) Iron and rust are the same substances. (True/False)
- (e) Condensation of steam is not a chemical change. (True/False)

Answer 2:

- (a) Cutting a log of wood into pieces is a chemical change. (False)
- (b) Formation of manure from leaves is a physical change. (False)
- (c) Iron pipes coated with zinc do not get rusted easily. (True)
- (d) Iron and rust are the same substances. (False)
- (e) Condensation of steam is not a chemical change. (True)

Question 3:

Fill in the blanks in the following statements:

- (a) When carbon dioxide is passed through lime water, it turns milky due to the formation of _____.
- (b) The chemical name of baking soda is _____.
- (c) Two methods by which rusting of iron can be prevented are _____ and _____.
- (d) Changes in which only _____ properties of a substance change are called physical changes.
- (e) Changes in which new substances are formed are called _____ changes.

Answer 3:

- (a) When carbon dioxide is passed through lime water, it turns milky due to the formation of *Calcium carbonate (CaCO₃)*.
- (b) The chemical name of baking soda is *Sodium bicarbonate (NaHCO₃)*.
- (c) Two methods by which rusting of iron can be prevented are *greasing* and *galvanization*.
- (d) Changes in which only *physical* properties of a substance change are called physical changes.
- (e) Changes in which new substances are formed are called *chemical* changes.

Answers For Foundationf For Physical Science

Yi-Tong Ma



Answers For Foundationf For Physical Science:

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