

Class: VII
Subject: Chemistry
Topic: Physical and chemical changes
No. of Questions: 20

1. Photosynthesis

- (a) None of these
- (b) Chemical change
- (c) Physical change

2. 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

3. In chemical changes

- (a) No new substance with different colour is formed
- (b) No change in chemical properties takes place
- (c) New substance with new property is formed
- (d) New substance with different shape is formed

4. Explain how iron rim is fixed over a wooden wheel. Which type of change is associated with this activity?
5. Dissolving sugar in water
- (a) Physical change
(b) None of these
(c) Chemical change
6. Respiration is a _____ change as energy is released.
- (a) Exothermic
(b) Endothermic
(c) Reversible
(d) Periodic
7. Differentiate between physical changes and chemical changes.
8. Beating aluminium to make aluminium foil
- (a) None of these
(b) Chemical change
(c) Physical change
9. Colour of copper sulphate solution change when iron nail is added to it due to
- (a) Physical change of copper sulphate
(b) Displacement of iron by copper
(c) Formation of precipitate
(d) Displacement of copper by iron

10. What are non-periodic changes? Also list two examples of non-periodic changes.
11. Cutting a log of wood into pieces is a chemical change.
- (a) None of these
(b) False
(c) True
12. When food get spoiled, it produce foul smell this is a
- (a) Periodic change
(b) Desirable change
(c) Physical change
(d) Chemical change
13. What are slow and fast changes ? Give examples also.
14. The chemical name of baking soda is _____.
- (a) Calcium carbonate
(b) None of these
(c) Sodium hydrogen carbonate
15. What is irreversible changes? Give examples of irreversible change.
16. In neutralisation reaction, acid reacts with base to form _____ and water.
- (a) Cations
(b) Salt
(c) All of these
(d) Ions
17. What are reversible changes? Give examples.
18. Two methods by which rusting of iron can be prevented are _____ and _____.
- (a) Galvanization and painting
(b) Apply oil
(c) Galvanization and heating

19. A bag of cement lying in the open gets wet due to rain during the night. The next day the sun shines brightly. Do you think the changes, which have occurred in the cement, could be reversed ?

20. Ozone layer in troposphere protect us from

- (a) Ultra violet radiation
- (b) Visible radiation
- (c) Acid rain
- (d) Infrared radiation

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