

Science Worksheet Class VII  
Physical and Chemical changes

1. Photosynthesis is
  - (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. False/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. In neutralisation reaction, acid reacts with base to form \_\_\_\_\_ and water.

(a) Cations (b) Salt (c) All of these (d) Ions