

5/7/21

HOME ASSIGNMENT

Physical & Chemical Changes

① Mention 2 examples where both physical and chemical changes occur simultaneously.

~~Ans~~ → The 2 examples where both physical & chemical changes occur simultaneously are -

⇒ The burning candle

⇒ Boiling of egg

② ~~Q~~ Give reasons Q/A of

Exercise → Next page - - -

(2)

PHYSICAL CHANGE

- (a) Drying of wet clothes.
- (b) Manufacture of sea from sea water.
- (d) Boiling of water.
- (A) Melting of wax.
- (h) Formation of clouds.
- (i) Making of a sugar solution.
- (j) Glowing of an ~~sugar~~ electric bulb.
- (m) Formation of alloys.

CHEMICAL CHANGE

- (c) Butter getting rancid.
- (e) Burning of Paper.
- (g) Burning of coal.
- (k) Curdling of milk.
- (l) Rusting of iron.
- (m) ~~Roasting~~ Roasting of Potatoes.

(3) (a) Freezing / solidification.

(b) Physical.

(c) chemical composition.

(d) chemical change / Exothermic Reaction.

(4) (a) These are Physical change because here no new substance is formed and only the state from liquid to solid or liquid to gaseous state happens. Thus it is a Physical change.

(B) When a candle is lighted, solid wax melts to liquids then burns to produce flame. New substances CO_2 and water vapour are formed with evolution of light & heat energy. So, it is a chemical change. When molten wax drops on the floor, it again solidifies. So, it is a physical change. Here, Burning of candle is an example where physical and ~~the~~ chemical changes occur.

(C) When paper burns, CO_2 and water vapour are released out and a new substance which is ash is formed. Evolution of light & heat energy happen. Thus, it is a chemical change.

(d) Cutting of a cloth piece is a physical change, though it is permanent because in this case no new substance is formed, no change in mass during the process no gas or any form of energy ^(light) is involved. So, it is a physical change.