

# VIDYA BHAWAN BALIKA VIDYAPEETH

## STUDY MATERIAL SCIENCE

### CLASS-VI

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#### ▶ Changes around us :

##### 1. Answer the questions.

a. Why do sun dried bricks break up when placed in water but kiln fired bricks do not?

**Ans :** A sun-dried brick is called an adobe brick. Adobe bricks are made from a mixture of clay, sand and straw formed in wooden molds and left to cure in the sun. So, when it is placed in water the mixture of clay, sand & straw start melting & they start dissolving in water. But, kiln fired bricks are manufactured in a way similar to that of normal bricks, except during the burning process- Fire bricks are exposed to very high temperatures. Therefore the components of the bricks are closely attached & it does not get melt when placed in water.

b. Why does ice float on water?

c. What kind of change is the browning of a cut apple and why?

d. How are the iron rims of wooden cart wheels fitted?

e. What kind of change occurs when an egg is boiled in water?

**2. Fill in the blanks.**

- a. A \_\_\_\_\_ change is usually reversible.
- b. \_\_\_\_\_ of wax is a chemical change.
- c. In a chemical change, new \_\_\_\_\_ are formed.
- d. The rusting of iron is a \_\_\_\_\_ change.
- e. The explosion of dynamite is an \_\_\_\_\_ chemical reaction.