

## MATTER AROUND US

1. The rate of diffusion of liquids is higher than that of solid. Why?
2. What are the characteristics of the particles of matter?
3. Liquids generally have lower density compared to solids, but ice floats on water.  
Explain.
4. For any substance, why does temperature remain constant during change of state?
5. Explain the main factors affecting the rate of evaporation.
6. How does evaporation cause cooling?
7. Why does milk or tea cool faster in a saucer rather than in a cup?
8. Why is ice at 273K more effective in cooling than water at the same temperature?
9. What will produce more severe burns, boiling water or steam?
10. Why do we smell hot food more easily than cold desserts?
11. How does the water kept in an earthen pot (matka) become cool during the summer?