

## **Matter around us**

1. Explain diffusion phenomena based on the states of matter. (AS1)
2. Mention the properties of solids (AS1)
3. Mention the properties of liquids (AS1)
4. What is fluid? (AS1)
5. Mention the properties of gases (AS1)
6. Give two daily life situations where you observe the diffusion (AS1)
7. Mention works where we use compressibility in our daily life? (AS1)
8. Mention the situations where we use diffusion in our day-to-day life (AS1)
9. How can we smell perfume sitting several meters away from the source?(AS1)
10. How do you prove that the speed of diffusion of ammonia is more than that of the speed of diffusion of hydrochloric acid? (AS3)
11. Give examples that the matter which will be available in different states. (AS1)
12. Draw the diagram showing the experimental arrangement to verify the speed of diffusion of two gases (AS1)
13. We can't rejoin the broken chalk easily. Give reason. (AS1)
14. Is the space between the particles in the matter influence the speed of diffusion? Explain. (AS2)

1. Which of the following is available in three states in our daily life (at normal conditions)

(a) Petrol (b) Water (c) Milk (d) Kerosine [ ]

2. Which of the following can be compressed [ ]

(a) Iron (b) Water (c) Air (d) Wooden piece

3. In which of the following substance speed of diffusion is more [ ]

(a) Smell of Petrol (b) Smell from flowers

(c) Smell from Naphthaline balls (d) Gas leaked from gas cylinder