Kendriya Vidyalaya CTPS Chandrapura

Holiday Homework (class 9)

Subject : Science

1.Why do we see water droplets collected on the outer surface of a glass container, containing ice?

2. Explain why solids have fixed shape but liquids and gases do not have fixed shape.

3. Why is it advisable to use pressure cooker at higher altitudes?

4. Why is water liquid at room temperature?

5. Cotton is solid but it floats on water. Why?

6. Why are solids generally denser than liquids and gases?

7. Name the factors that affect evaporation.

8. How is the high compressibility property of gas useful to us?

9. With the help of an example, explain how diffusion of gases in water is essential?

10. On a hot sunny day, why do people sprinkle water on the roof or open ground?

12. Why to people perspire a lot on a hot humid day?

13. A balloon when kept in sun, bursts after some time. Why?

14. Which speed is greater: 30 m/s or 30 km/h?

15. When do the distance and displacement of a moving object have the same magnitude?

16. What is the difference between uniform velocity and non-uniform velocity?

Art integrated project:- make a working model on arrangement of particles in solids, liquids and gases.