MATTER IN OUR SURROUNDINGS (IX)

1. Why is ice at 273k more effective in cooling than water at the same temperature?
2. What produces more severe burns, boiling water or steam?
3. Convert the following temperatures to the Celsius scale
   (a) 293k (b) 470k
4. Convert the following temperatures to the Kelvin scale
   (a) 25^0c (b) 373^0c
5. On which temperature Fahrenheit and Celsius are equal.
6. Why does our palm feel cold when we put some acetone or petrol or perfume on it?
7. Why does a desert cooler cool better on a hot dry day?
8. Clothes do not dry faster on a rainy day? Why?
9. What is evaporation, differentiate it with vaporisation?
10. How does liquid start changing into gas? What is latent heat of vaporisation?
11. How does a solid melts? During this period temperature remains the same, so where does the heat energy go?
12. We can easily move our hand in air but to do the same through a solid block of wood, we need a karate expert.