

## CLASS-IX (CHEMISTRY)

### CH-1: MATTER IN OUR SURROUNDINGS (WORKSHEET-5)

1. The boiling point of ethyl alcohol is  $78^{\circ}\text{C}$ . What is the corresponding temperature on Kelvin scale?
2. **State true or false. And if false, correct the statement:**
  - (a) The number of divisions in a Fahrenheit scale is equal to 100.
  - (b) The upper fixed point or steam point in Kelvin scale is 273 K.
  - (c) To convert Celsius scale into Kelvin scale we have to add 273.
  - (d) The absolute zero temperature is  $0^{\circ}\text{C}$ .
  - (e) Fahrenheit scale is used to measure the human body temperature.
3. Convert 0 K into  $^{\circ}\text{F}$ .

## CLASS-IX (CHEMISTRY)

### CH-1: MATTER IN OUR SURROUNDINGS (WORKSHEET-6)

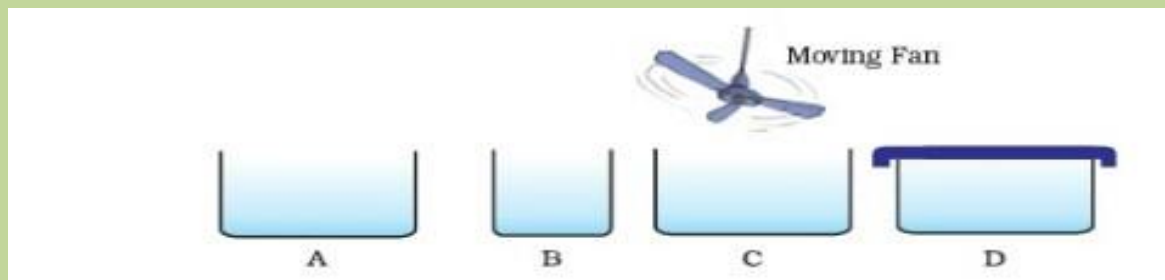
#### 1. Fill in the blanks:

- (a) Evaporation of a liquid at room temperature leads to a \_\_\_\_\_ effect.
- (b) Boiling is a \_\_\_\_\_ phenomenon.
- (c) Evaporation of water is a \_\_\_\_\_ change.

#### 2. Give reason:

- (a) We feel cold if some spirit is applied on our skin.
- (b) It takes longer time to dry wet clothes in humid weather.
- (c) Butter is generally wrapped in wet cloth during summer when refrigerator is not working.

3. Look at the figure and suggest in which of the vessel A, B, C or D the rate of evaporation will be the highest? Explain.



4. It is a hot summer day, Priyanshi and Ali are wearing cotton and nylon clothes respectively. Who do you think would be more comfortable and why?
5. You want to wear your favorite dress to a party, but the problem is that it is still wet after a wash. What steps would you take to dry it faster?