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Questions:

3 Marks

1. Comment on the following statements:
   (i) Evaporation produces cooling.
   (ii) Rate of evaporation of an aqueous solution decreases with increase in humidity.
   (iii) Sponge though compressible is a solid.

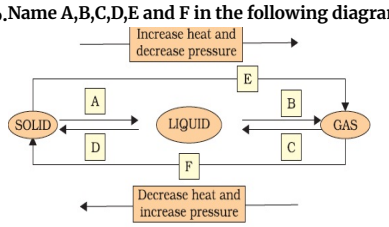
2. In severe cold weather, Mohan's family burnt wood in the room during the night by keeping the windows close. After some time, they felt suffocated. Mohan immediately open the windows and got relief.
   (i) What did actually happen?
   (ii) What values are associated with Mohan?

3. Santosh was getting late for the office. He tried to sip boiling hot tea from a cup. He felt very uncomfortable. His wife immediately brought a plate and asked him to sip the tea from the plate. Santosh followed her advice and did not face any problem:
   (i) How did sipping tea from a plate was more comfortable?
   (ii) How did wife of Santosh help him?
   (iii) What value do learners infer from the passage?

4. Meera had some guests visiting on Sunday afternoon. While serving them tea from the kettle, a gush of steam suddenly burns her fingers and she feels intense pain. Her mother asks her to keep her fingers under running tap water. After some time the pain subsides.
   Answer the following questions based on the above information:
   (i) What could be the possible reason for the intense pain felt by Meera?
   (ii) Why does her mother asks her to keep her fingers under tap water?
   (iii) What values are promoted by Meera's mother?

5. Why do people perspire a lot on a hot humid day?

6. Name A,B,C,D,E and F in the following diagram showing change in its state.



2 Marks

7. On suffering from fever which will lower down your body temperature more, ice or ice cold water? Why?

8. Alka was making tea in a kettle. Suddenly she felt intense heat from the puff of steam gushing out of the spout of the kettle. She wondered whether the temperature of the steam was higher than that of the water boiling in the kettle. Comment.