

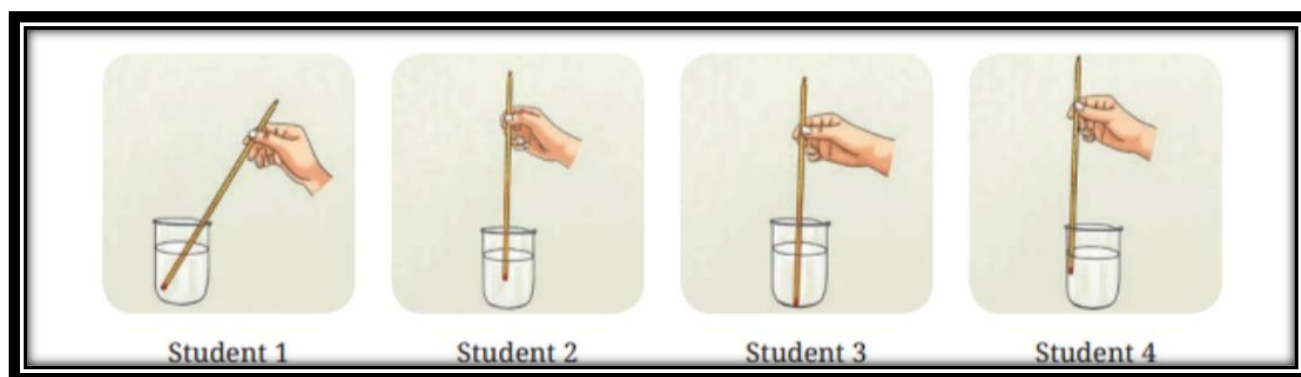
**BCM SCHOOL**  
**BASANT AVENUE, DUGRI ROAD, LUDHIANA**  
**Class VI SCIENCE**  
**Assignment**

**General Instructions:**

- 1. Q. 1 to 3 are multiple choice type questions carries 1 mark each.**
- 2. Q.4 to 5 are Assertion- Reason type questions carries 1 mark each.**
- 3. Q.6 is very short answer type question carries 2 marks.**
- 4. Q. 7 is short answer type question carries 3 marks.**
- 5. Q. 8 to 9 are long answer type questions carries 5 marks each.**
- 6. Q. 10 is Case Study based question.**

**Tick the correct option**

**1. Four students used a laboratory thermometer to measure the temperature of water as shown in the figure**



**Who do you think followed the correct way for measuring temperature?**

- (i) Student 1**
- (ii) Student 2**
- (iii) Student 3**
- (iv) Student 4**

**2. Choose an example of condensation'.**

- (a) disappearance of water from puddles in the ground**

- (b) deposition of water droplets over outside surface of glass tumbler**
- (c) smell of yummy food from kitchen**
- (d) rubbing of sanitizer with hands**

**3. Which type of thermometer was used during the COVID-19 pandemic for non-contact measurement?**

- (a) Digital thermometer**
- (b) Mercury thermometer**
- (c) Infrared thermometer**
- (d) Alcohol thermometer**

**The questions (4-5) below consist of an assertion and a reason. Use the following key to choose the appropriate answer.**

- (a) Both A and R are true and R is the correct explanation of A.**
- (b) Both A and R are true but R is not the correct explanation of A.**
- (c) A is true but R is false.**
- (d) A is false but R is true**

**4. Assertion (A): A laboratory thermometer is not suitable for measuring body temperature.**

**Reason (R): Laboratory thermometers have a broader range and are designed for scientific experiments rather than clinical use.**

**5. Assertion (A): Evaporation causes cooling.**

**Reason (R): When a liquid evaporates, it draws heat from the surface which it touches.**

- (a) Both A and R are true and R is the correct explanation of A.**
- (b) Both A and R are true but R is not the correct explanation of A.**
- (c) A is true but R is false.**
- (d) A is false but R is true.**

**6. Predict what will happen to the mass of cold water kept on the digital weighing balance. Will it increase or decrease or remain the same? Justify.**

**7. After rain water puddles appear in the playground. After some time these disappear. Where does the water go?**

**8. In which case evaporation is faster-water in a bottle or water on a plate? Why?**

**9. How do non-contact thermometers work, and what are their benefits?**

#### **10. Case Study**

**Ravi boiled water in a kettle. As the water reached boiling point, steam rose and collected on the kitchen window, forming water droplets. He noticed that the water level in the kettle kept reducing. His elder sister explained the concepts of evaporation and condensation.**

**1. Name the phenomena responsible for the disappearance of hand sanitizer as we rub it on our hands**

**2. What is the scientific principle behind the use of earthen pots made of sand and clay during the summers?**

**3. Why do clothes tend to dry faster on a sunny and windy day?**