

Name-

Date: 05-05-16

M.Marks: 20

Time- 40 min

Two Marks Each

Chemistry test

Class 9<sup>th</sup> CBSE



1. Why does the temperature of a substance remain constant during its melting point or boiling point?
2. 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?
3. A sample of water under study was found to boil at  $102^{\circ}\text{C}$  at normal temperature and pressure. Is the water pure? Will this water freeze at  $0^{\circ}\text{C}$ ? Comment.
4. Why is ice at 273 K more effective in cooling than water at the same temperature?
5. Give two reasons to justify :  
(a) Water at room temperature is a liquid.  
(b) An iron almirah is a solid at room temperature.
6. Convert the following temperatures to the Kelvin scale. (a)  $25^{\circ}\text{C}$       (b)  $373^{\circ}\text{C}$
7. How does the water kept in an earthen pot (matka) become cool during summer?
8. Why does our palm feel cold when we put some acetone or petrol or perfume on it?
9. What type of clothes should we wear in summer?
10. What is the physical state of water at :  
(a)  $25^{\circ}\text{C}$       (b)  $0^{\circ}\text{C}$       (c)  $100^{\circ}\text{C}$