

**ST. LAWRENCE HIGH SCHOOL** 

A JESUIT CHRISTIAN MINORITY INSTITUTION



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Sub: Physical ScienceClass: 8Date: 14.04.20Duration: 40 minWorksheet 7Full Marks: 15HEAT/ THERMAL EXPANSION OF LIQUIDS AND GASES

## **Choose the Correct options:**

Choose the Correct options:						
1.	1. The only expansion that takes place in a general liquid is					
Ans	(a)Linear		(c)Cubical		(d)Anomalous	
2.						
Ans	(a)more	(b)less	(c)equally		(d) none	
3.	Water shows anomalous behaviour between					
Ans	(a) 0 and 4 $^{\circ}$ C (b) 10 and 14 $^{\circ}$ C (c) 14.5 and 15.5 $^{\circ}$ C (d) 0 and -4 $^{\circ}$ C					
	Which of the follow	•				
Ans	(a) Water	· / 1	(c) benzene		(d) alcohol	
	The expansion of liquid observed in an experiment includes					
Ans	containing vessel Change					
6.	Compared to the observed expansion in a liquid, the actual expansion is					
Ans	(a)more	(b)less	(c)equally		(d) none	
	$\partial$					
Ans	(a) Hydrogen	•••	(c) Nitrogen	(d) A	ll expand equally	
8.						
Ans	(a)more	(b)less	(c)equally		(d) none	
	Anomalous expansion of water leads to (a) Floating of (b) Formation of (c) Melting of ice (d) None of these					
Ans	.,	· ,	(c) Melting of ice	(d)	None of these	
1.0	iceberg snow					
10. When a chapatti is heated it swells because of thermal expansion of						
Ans	(a) solid			(d) I	Both (a) and (c)	
	11. Water is cooled from 4 °C to 0 °C. It shows					
Ans						
	Water expands whe					
Ans	(a) $-4 ^{\circ}C$		(c) 4 °C		(d) 14.5 °C	
13. Rise of liquid level of a container on heating depends on Ans (a)Container material (b) Liquid (c) Temperature Change (d) All of these						
Ans				Change	(d) All of these	
14. What is the order of magnitude of expansion of liquid Ans (a) $10^{-6}$ °C <sup>-1</sup> (b) $10^{-4}$ °C <sup>-1</sup> (c) $10^{-5}$ °C <sup>-1</sup> (d) $10^{-2}$ °C <sup>-1</sup>						
Ans	(a) $10^{-6}  {}^{\circ}C^{-1}$	. ,			(d) $10^{-2}  {}^{\circ}C^{-1}$	
15. The coefficient of thermal expansion of all gases isAns(a)same(b) different(c) variable(d) None of these						
Ans	(a)same	(b) different	(c) variable	()	d) None of these	