



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

TERM- 3

ANSWERS

Subject- Physical Science Worksheet- 1

Class – 9

Date- 7.11.2020

Topic- Heat

CHOOSE THE CORRECT OPTION- (MCQ)

MARKS : 1× 15

Q1. Two bodies at different temperatures are placed in contact state the direction in which heat will flow

A. from the body at high temperature to the body at low temperature.

Q2. Name the S.I. unit of heat

A. joule

Q3. joule is related to the unit calorie by

A. $1J = 0.24 \text{ cal}$

Q4. Heat which changes the state of a substance without any change of temperature is called

B. latent heat

Q5. Heat which comes to us from a source such as sun by the process of radiation is called

A. radiant heat

Q6. 1 calorie = ? joule

A .4.2 joule

Q7. 1 kilo calorie = ____ calorie

B. 1000

Q8. Quantity of heat necessary to raise the temperature of unit mass of a substance through 1 degree is

A. the specific heat of the substance

Q9. The amount of heat required to raise the temperature of the body by unity is called

A. thermal capacity

Q10. In CGS system, water equivalent of the body is

A. msg

Q11. The mass of water whose temperature rises by unity by the heat which can raise the temperature of the body by unity is called

A. water equivalent

Q12. Specific heat of water is

A. 1 cal/g degree centigrade

Q13. Specific heat of lead is _____ cal per g per degree centigrade

A. 0.03

Q14. Except Hydrogen _____ has the highest specific heat of any substance

C. Water

Q15. The expression $Q = ?$

A. $Q = mstcal$

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