



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

TERM- 3

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.

B. from cold to hot body

C. no transfer of heat

D. none of these

Q2. Name the S.I. unit of heat

A. joule

B. watt

C. kg

D. gram

Q3. joule is related to the unit calorie by

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

B. $1\text{J} = 3.4 \text{ cal}$

C. $1\text{J} = 9.8 \text{ cal}$

D. None of these

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

A. radiant heat

B. latent heat

C. internal heat

D. none of these

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

A. radiant heat

B. B latent heat

C. Calorie

D. Joule

Q6. 1 calorie = ? joule

A. 4.2 joule

B. 3.2 joule

C. 1 joule

D. none of these

Q7. 1 kilo calorie = _____ calorie

A. 2000

B. 1000

C. 800

D. 900

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**
- B. latent heat of the substance heat of the substance**
- C. thermal equilibrium of the substance**
- D. None of these**

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

- A. thermal capacity**
- B. equilibrium**
- C. velocity**
- D. calorie**

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

- A. msg**
- B. mts**
- C. hgd**
- D. none of these**

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**
- B. thermal capacity**
- C. joule**
- D. calorie**

Q12. Specific heat of water is

- A. 1 cal/g degree centigrade**
- B. 2 cal/g. degree centigrade**

C.300 cal/g.degree centrigrate

D.none of these

Q13.Specific heat of lead is_____ cal per g per degree centrigrate

A.0.03

B.0.09

C.0.08

D.6

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

A.sodium

B.Chlorine

C.Water

D.Kerosene

Q15. The expression $Q = ?$

A. $Q = mst \text{ cal}$

B. $Q = hdg$

C. $h = mg$

D.none of these

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