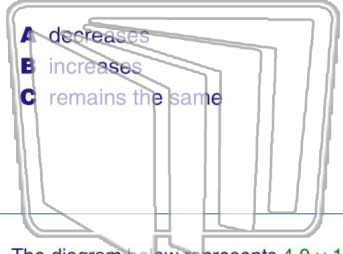Name_____ Class_____ Date_____

1 As the unbalanced force applied to an object **increases**, the **time rate of change** of the object's momentum

A decreases
B increases
C remains the same

2 A test booklet is sitting at rest on a desk. Compared to the magnitude of the force of the booklet on the desk, the **magnitude of the force of the desk on the booklet** is

A less
B greater
C the same

3 The diagram below represents 4.0×10^2 kg satellite, S, in a circular orbit at an altitude of 5.0×10^6 meters. The orbital speed of the satellite is 5.0×10^3 meters per second and the radius of the Earth, R, is 6.4×10^6 meters.

4 The diagram below represents 4.0×10^2 kg satellite, S, in a circular orbit at an altitude of 5.0×10^6 meters. The orbital speed of the satellite is 5.0×10^3 meters per second and the radius of the Earth, R, is 6.4×10^6 meters.
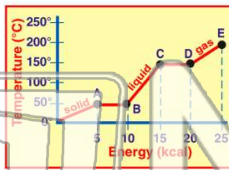
5

PREVIEW

Please Sign In or Sign Up to download the printable version of this worksheet

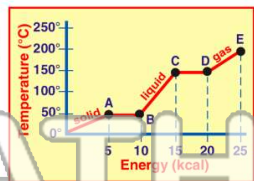**7** pure substance and the heat energy added to the substance.

The heat of fusion of the substance is

A 5.0 kcal/kg
B 2.0 kcal/kg
C 2.5 kcal/kg
D 50 kcal/kg

the substance.

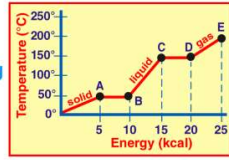**The specific heat** of the substance in the **liquid phase** is

A 0.025 kcal/kg-°C
B 0.050 kcal/kg-°C
C 20 kcal/kg-°C
D 40 kcal/kg-°C

9 The graph below represents the relationship between the temperature of 2.0 kilograms of a pure substance and the heat energy added to the substance.

The potential energy of the molecules of the substance is **increasing** between points
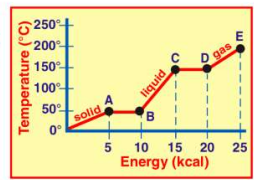
A A and B, only
B B and C, only
C B and C, and D and E
D A and B, and C and D

10 The graph below represents the relationship between the temperature of 2.0 kilograms of a pure substance and the heat energy added to the substance.

The freezing point of the substance is

A 0° C
B 50° C
C 150° C
D 200° C

Name_____ Class_____ Date_____

1 As the unbalanced force applied to an object **increases**, the **time rate of change** of the object's momentum

A decreases
B increases
C remains the same

B

2 A test booklet is sitting at rest on a desk. Compared to the magnitude of the force of the booklet on the desk, the **magnitude of the force of the desk on the booklet** is

A less
B greater
C the same

C

3 The diagram below represents 4.0×10^2 kg satellite, S, in a circular orbit at an altitude of 5.0×10^6 meters. The orbital speed of the satellite is 5.0×10^3 meters per second and the radius of the Earth, R, is 6.4×10^6 meters.

4 The diagram below represents 4.0×10^2 kg satellite, S, in a circular orbit at an altitude of 5.0×10^6 meters. The orbital speed of the satellite is 5.0×10^3 meters per second and the radius of the Earth, R, is 6.4×10^6 meters.
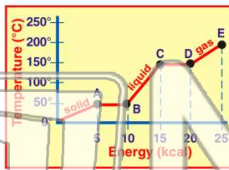
D

5

C

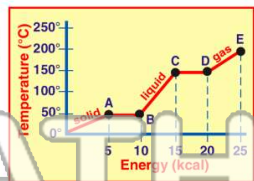**7** ...pure substance and the heat energy added to the substance.

The **heat of fusion** of the substance is

A 5.0 kcal/kg
B 2.0 kcal/kg
C 2.5 kcal/kg
D 50 kcal/kg

C

...the substance.

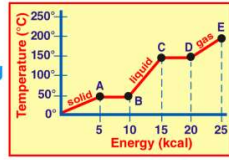The **specific heat** of the substance in the **liquid phase** is

A 0.025 kcal/kg-°C
B 0.050 kcal/kg-°C
C 20 kcal/kg-°C
D 40 kcal/kg-°C

A

9 The graph below represents the relationship between the temperature of 2.0 kilograms of a pure substance and the heat energy added to the substance.

The **potential energy** of the molecules of the substance is **increasing** between points

A A and B, only
B B and C, only
C B and C, and D and E
D A and B, and C and D

D

10 The graph below represents the relationship between the temperature of 2.0 kilograms of a pure substance and the heat energy added to the substance.

The **freezing point** of the substance is

A 0° C
B 50° C
C 150° C
D 200° C

B