

PPSC Physics Chapter 3 Thermal Properties of Matter

Sr	Questions	Answers Choice
1	A gas thermometer is more sensitive than a mercury thermometer because the expansion of gas for 1 o/c rise in temperature is.	A. Five times as much as mercury B. Ten times as much as mercury C. Twenty times as much as mercury D. Hundred times as much as mercury
2	The average K.E. of the molecules of an ideal gas in a closed rigid container is increased by a factor of 4 What happen to the pressure of the gas.	A. It remains the same B. It increases by a factor of 2 C. It increases by a factor of 4 D. It increases by a factor of 8
3	A mercury thermometer has	A. Low conductivity and low thermal capacity B. High conductivity and high thermal capacity C. Low conductivity and high thermal capacity D. High conductivity and high thermal capacity
4	The normal Human body temperature in Fahrenheit scale is.	A. 32 ^o F B. 40 ^o F C. 98.4^oF D. 212 ^o F
5	Which one is the primary standard for temperature measurement.	A. Resistance thermometer B. Mercury in glass thermometer C. Constant volume gas thermometer D. Pyrometer
6	What should be the shape of an ideal thermometer.	A. Spherical B. Cubical C. Cylindrical D. Rectangular
7	Diffusion of gases occurs because the molecules of the	A. Gas present in a higher concentration exerts a high pressure B. Gases are different C. Gasses attract each other D. Gasses over about randomly
8	The phenomenon of Brownian motion shows that	A. Molecules exist and can be seen as bright dots moving about B. Molecules moves about randomly at highs speeds C. Smoke particles behaves as molecules D. Smoke particles can be used as models of air molecuecs.
9	At the temperature of -273 °C. pressure of a gas at constant volume becomes zero This specific temperature is called.	A. Freezing point B. Critical temperature C. Absolute zero D. Terminal point
10	Which of the following is a non contacting device that intercepts and measures thermal radiation.	A. Thermometer B. Pyrometer C. Voltmeter D. Lactometer
11	Which of the following devoces are used for measuring temperature.	A. Thermocouples B. Thermistors C. Thermometers D. All of these
12	What is world's average surface air temperature.	A. 5 ^o C B. 10 ^o o ^o C C. 15 ^oC D. 20 ^o C
13	Which of the following is standard scale of temperature	A. Mercury scale B. Platinum resistance scale C. Gas scale D. Alcohol scale

14	Which of the following is a clinical thermometer.	A. Gas thermometer B. Mercury thermometer C. Alcohol thermometer D. Radiation thermometer
15	The base unit of temperature in SI is	A. Fahrenheit B. Celsius C. Kelvin D. Rankine
16	Which thermometer is called spirit thermometer	A. Alcohol thermometer B. Mercury in glass thermometer C. Gas thermometer D. Radiation thermometer
