Thermal Properties of Matter

Sr	Questions	Answers Choice
1	In Kelvin scale, the temperature corresponding to melting point of ice is	A. +273 B. -273 C. 32 D. Zero
2	What type of motion is of the molecules in a gas.	A. Random motion B. Linear motion C. Vibratory motion D. Rotatory motion
3	Which of the following is not a form of internal energy.	A. Light energy B. A kinetic energy of the particles C. Potential energy of the particles D. Chemical energy of the bonds between the particles
4	Temperatur eof substance is	A. The total amount of heat contained in it B. Degree of hotness of coldness C. The total nuber of molecules in it D. Dependent upon the intermolecular distance
5	Which of the following can increase the sensitivity of liquid in glass thermometer.	A. Changes colour on temperture B. Use a longer capillary tube C. Use a bigger bulb which contains more amount of liquids D. Using long specific its
6	Gases and liquids are categorized as.	A. Liquids B. Gases C. Fluids D. Solids
7	Water is not a used as a thermometric liquid mainly due to.	A. Non linear expansion B. Clourless C. Low boiling point (100 oC) D. A bad conductor of heat
8	Mercury has unifform linear expansionin liquid in glass thermometers, A liquid in glass thermometer has a mercury level of 2 cm at melting point of ice and a mercury level of 6 cm at boiling point of water. What is the distance between evry 1 oC division on Celsius scale of themrmometer.	A. 0.08 B. 0.04 cm C. 0.06 cm D. 1.00 cm
9	How many phases of mater are there.	A. 2 B. 1 C. 3 D. 4
10	Thermometer, which is most suitabel for measuring rapid changing temperatures is.	A. Constant volume gas therometer B. Resistance thermometer C. Thermocouple D. Liquid in glass thermometer
11	A thermometer has a narrow capillary tube so that it.	A. Gives alarge chagne for a given temperture rise B. Quickly responds to temperature changes C. Can read the maximum temperature D. Can measure a large range of temperature.
12	Which state of matter has particles that are highly compressible and can fill any container.	A. Plasma B. Solid C. Gas D. Liquid
13	Which thermometer uses voltage to measrue temperature of a hot body.	A. Thermocouple B. Resistance thermometer C. Liquid in glass thermometer D. Gas thermometer
14		A. The energy in transit B. Total kinetic energy of the

14	Heat is the	molecules C. The internal energy D. Work done by the olecules
15	In which of the materials, particles have only vibrational motion.	A. Liquids B. Solid C. Plasma D. Gas
16	When an ideal gas is expanded keeping its temperatur econsitant, its internal energy	A. Increases B. Remains the same C. Decreases D. Cannot be determined
17	Which one is a better choice for a liquid in glass thermometer is that.	A. Wets glass B. Is colourless C. Is a bad conductor D. Expand linearly
18	The temperature which has the same value on Celcius and Fahrenheit scale is.	A. -45 B. +40 C. -40 D. +45
19	Which statement describes the particles structure of gases.	A. Particles are tightly packes and have storng bonds B. Particles have moderate kinetic energy and move randomly C. Particles are arranged in a repeating pattern D. Particles have fixed positions and low kinetic energy
20	One disadvantage of using alcohol in a liquid in glass therometer.	A. It wets the glass tube B. It has large expansivity C. It has low freezign point (-112 oC) D. Its expansion is linear