



OSDAV Public School, Kaithal

May Test 2024

Class : IX

Subject : Science

SET-A

Time :35 Min.

M.M. 20

Note: All questions are compulsory

Q.No.		Marks
1	Intermixing of particles of two different types of matter on their own is called (a) Diffusion. (b) sublimation. (c) evaporation. (d) fusion	1
2	Out of the following, which one is a correct method to liquify gases by:- (a) increasing temperature and decreasing pressure (b) by increasing temperature, increasing pressure (c) by decreasing temperature and increasing pressure (d) by decreasing temperature and pressure	1
3	A change of state of matter directly from gas to solid is called- (a) solidification (b) fusion (c) deposition (d) condensation	1
4	400K is equal to: (a) 117 (b) humidity. (c) vaporisation (d) evaporation	1
5	Both liquids and gases have property of (a) rigidity (b) humidity. (c) fluidity (d) none	1
6	Out of the following, which factor does not support evaporation (a) increasing surface area. (b) decrease in wind speed (c) decrease in humidity. (d) increase in temperature	1
7	What will be the physical state of water at zero degree Celsius? (a) Both liquid and gas (b) Gas (c) Both solid and liquid (d) liquid	1
8	We can change the vector quantity by changing (a) magnitude only (b) direction only (c) changing both direction and magnitude (d) all of the above	1
10	An object covers half of the round of a circle of radius R. What will be its displacement ? (a) zero (b) $2\pi R$ (c) πR (d) $3/2 \pi R$	1
11	Assertion: When an object moves a certain distance, its displacement can not be zero. Reason: When an object moves on a straight path, displacement and distance travelled are equal. (a) Both assertion and reason are true and reason is the correct explanation of assertion. (b) Both assertion and reason are true but reason is not the correct explanation of assertion. (c) Assertion is true but reason is false. (d) Assertion is false but reason is true.	1
12	Ratio of displacement and distance travelled is (a) less than one (b) equal to 1 (c) less than equal to 1 (d) greater than equal to 1	1
13	when the object is in uniform motion on straight path, its (a) speed > velocity (b) speed < velocity (c) speed = velocity (d) speed not equal to velocity	1
14	Plasma membrane is made of: (a) Lipids (b) Proteins (c) Lipids and proteins (d) None of the above	1

15	Cell wall is present in: (a) Animals only (c) Both animals and plant	(b) Plants only (d) Either plants or animals	1
16	Nuclear region of prokaryotic cell is called: (a) Nucleoid	(b) Nucleolus (c) Nucleoplasm (d) Cytoplasm	1
17	Lysosomes are also called: (a) Powerhouse	(b) Kitchen of the cell (c) Control centre (d) Suicidal Bags	1
18	When an animal cell is kept in salt solution, the cell will (a) swell up.	(b). Shrink. (c) remains same (d) first swell then shrink	1
19	The another name of Golgi apparatus is: (a) Storing and dispatching unit (c) Storage Sacs	(b) Powerhouse (d) Protein factory	1
20	Chromosomes are composed of : (a) Only DNA	(b) Carbohydrates (c) Only proteins (d) Both DNA and Proteins	1



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Q.N	QUESTIONS	Marks
1	_____ are highly compressible. (a) Solid. (b) Liquid. (c) Gas. (d) All of the above	1
2	The process of conversion of liquid into gas at any temperature below its boiling point is called : (a) Sublimation. (b) Evaporation. (c) Diffusion. (d) Deposition	1
3	300K is equal to: (a) 27 degree Celsius (b) 37 degree Celsius (c) 17 degree Celsius (d) 7 degree Celsius	1
4	What will be the physical state of water at hundred degrees Celsius? (a) Both solid and liquid (b) both liquid and gas. (c) liquid. (d) gas	1
5	Rate of evaporation depends on (a) wind speed. (b) surface area (c) temperature. (d) all of the above	1
6	_____ and _____ gases dissolved in water are essential for the survival of aquatic animals. (a) CO ₂ , H ₂ (b) H ₂ , O ₂ (c) CO ₂ , O ₂ (d) CO ₂ , N ₂	1
7	The device which is used to measure the speed of a moving vehicle: (a) Odometer (b) Speedometer (c) Galvanometer (d) Barometer	1
8	An object completes one round on a circle of radius R. The displacement of the object is: (a) Zero (b) R (c) 2R (d) R/2	1
9	Ratio of distance travelled and displacement is (a) less than one (b) equal to 1 (c) less than equal to 1 (d) greater than equal to 1	1
10	When the object is in uniform motion on a straight line path, its acceleration is: (a) Zero (b) Non-Zero (c) It depends on the velocity of the object (d) It depends upon the speed of the object.	1
11	Assertion: When an object moves a certain distance, its displacement can not be zero. Reason: When an object moves on a straight path, displacement and distance travelled are equal. (a) Both assertion and reason are true and reason is the correct explanation of assertion. (b) Both assertion and reason are true but reason is not the correct explanation of assertion. (c) Assertion is true but reason is false.	1

	(d)Assertion is false but reason is true.	
12	We can change the scalar quantity by changing: (a) magnitude only (b) direction only (c) Both magnitude and direction (d)none	1
13	Functional segment of DNA is called: (a)chromosomes (b)nucleoplasm (c)gene (d) nucleoid	1
14	Chloroplast is also called: (a)cleaner of the cell (b) powerhouse of the cell (c)control centre (d) kitchen of the cell	1
15	RER and SER helps in formation of——— and———- respectively: (a)lipids and proteins (b) carbohydrates, and fats, (c)fats and carbohydrates (d)proteins, and lipids,	1
16	When an animal cell is kept in water it: (a) swells up (b)Shrinks (c) Remains the same (d) none of the above.	1
17	In plants diffusion helps in: (a)transportation of water (b) transportation of food (c) exchange of gases (d)regulation in temperature	1
18	Assertion: Plasma membrane is also called selectively permeable membrane. Reason: It allows selected material to move in or out of the cell. (a) Both assertion and reason are true and reason is the correct explanation of assertion. (b)Both assertion and reason are true but reason is not the correct explanation of assertion. (c)Assertion is true but reason is false. (d) Assertion is false but reason is true. .	1
19	Division of labour occurs in: (a)Unicellular (b) multicellular (c) Both A and B (d) Neither A nor B	1
20	Plasma membrane is present in: (a)both plants and animals (b) in plants only (c)in animals only (d)neither plants nor animals	

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