

ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Physical Science Class: 8 Date: 16.01.21
Duration: 40 min Worksheet Solution 01 Full Marks: 15

24	MATTER
Choose the Correct options:	
	Water can be added dropwise to the uppers surface of a coin, long after the surface of
	the coin is covered with water. This phenomenon is due to
	(a) Adhesive force (b) Cohesive force (c) Diffusion (d) none of these
2)	PVA glue is used to stick two pieces of paper together. This is due to
	(a) Adhesive force (b) Cohesive force (c) Diffusion (d) none of these
3)	Mercury poured onto a glass surface takes spherical shapes because of its excessive
	(a) Adhesive force (b) Cohesive force (c) Diffusion (d) none of these
4)	Water rising up a very thin glass pipe without the application of any suction is called
	capillary action. It is responsible for the rise of water in the xylem fibres of plants and
	is a mode of passive transport. The phenomenon is due to
	(a) Adhesive force (b) Cohesive force (c) Both (a) and (b) (d) none of these
5)	A container contains nitrogen gas. The force of attraction between the molecules of
	nitrogen is called
	(a) Adhesive force (b) Cohesive force (c) Diffusion (d) none of these
6)	A container contains nitrogen gas. The force of attraction between the container and
	the gas molecules is called
	(a) Adhesive force (b) Cohesive force (c) Diffusion (d) none of these
7)	The intermolecular forces of attraction between molecules is least in
	(a) Solid (b) Liquid (c) Gas (d) Bose-Einstein Condensate
8)	Plasma is said to be the fourth state of matter. It consists of
	(a) Molecules (b)Ions (c) Electrons (d) All of these
9)	The Cold Atom Laboratory aboard the ISS produced the fifth state of matter in 2018
	by cooling atoms of rubidium and potassium in a vacuum chamber using laser light to
	slow their movement and then cooled to near absolute zero. This state of matter is
	called
	(a) CAL (b) Cloud (c) Plasma (d) Bose-Einstein Condensate
10)	A star is said to be an ionized ball of
	(a) Gas (b) Cloud (c) Plasma (d) Bose-Einstein Condensate
11)	Liquids and gases are called fluids. It is because of their low
	(a) Intermolecular forces (b) Intermolecular spaces (c) Ionization energies (d)
	Boiling point
12)	The Bose Einstein Condensate is named after Albert Einstein and which other
	scientist?
10	(a) Satyendra Nath Bose (b) Jagadish Chandra Bose (c) Both (a) and (b) (d) Neither
13)	The most compressible among the three states of matter is
	(a) Solid (b) Liquid (c) Gas (d) Does not depend on state of matter.

- 14) Brownian motion is not observed in which of the following?
 - (a) Solid (b) Liquid (c) Gas (d) Plasma
- 15) The force of cohesion is maximum in which of the three states of matter?
 - (a) Solid (b) Liquid (c) Gas (d) Does not depend on state of matter.