

## ST. LAWRENCE HIGH SCHOOL

## A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Physical Science Class: 8 Date: 29.03.21 Duration: 40 min Worksheet Solution 22 Full Marks: 15

## ATOMIC STRUCTURE/PROTONS, NEUTRONS AND IONS

	se the Correct option				
	Who discovered and	•			(1)
	(a)Rutherford	(b)Goldstein		(c)Chadwick	(d)Thomson
		e rays as positive ra	•		
	` '			(c) Chadwick	(d) Thomson
3.	_	in the discharge tub			
Ans	(a)Higher (	(b)Lower pressure			(d)Different gas
	voltage <b>cathode</b>				
		ys assumed to be po			
Ans	(a)attracted to	(b)attracted to	(c)a	attracted to	(d)Attracted to
	negative electrode	e magnetic north	ma	gnetic south	positive electrode
5.	The mass of the and	ode rays obtained fro	om diff	ferent gases in	the tube were
Ans	(a)same (b)di	fferent	(c)1	not fixed	(d)No mass
6.	When was the neutr	on discovered?			
Ans	(a) 1929	(b)1932	(c	)1941	(d) 1944
7.	Which element used	d in the discharge tu	be gav	e protons?	
Ans	(a) Hydrogen	(b) Helium	(c)	Nitrogen	(d) Oxygen
8.	Which element was	used in the discove	ry of n	eutrons?	
Ans		(b)Beryllium		)Bismuth	(d) Bromine
9.	What are alpha part	icles?			
Ans	(a) Helium ions	(b)Hydrogen ions	(c) S	odium ions	(d) Oxygen ion
		reaction can an ator			, , ,
	(a) Chemical			ndothermic	(d) All of these
	reaction	reaction	react		
11	. Who discovered n	eutrons?			
Ans	(a)Rutherford	(b) Goldstein	(	c) Chadwick	(d) Thomson
12	. An ion is charged	because the number			` /
Ans			-	'ariable	(d) None of these
13	. What is the charge		( )		
	(a)+1 unit	-	C	(c) 1 C	(d) Both (a) and (b)
	14. Which subatomic particle plays a major role in the formation of compounds?				
	(a)electron				(d) quark
	. When does an ion	· / I	(-)•	<del></del>	() -1
	(a)after losing	<u> </u>	(c	On being bro	oken (d) All of these
	· ·	electron	`.		

particles