

## ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

	HKISTIAN MINOKITY INSTITUT	
Sub: Physical Science	Class: 8 Worksheet solutions-12	Date: 20.04.20
ATOMIC STRUCTURE/DISCOVERY OF THE NUCLEUS		
Choose the Correct options:		
1. Who gave the concept of		
Ans (a)Rutherford (b)		(d)Thomson
2. When was the idea of nucleus formulated?		
	<b>1911</b> (c) 1913	(d) 1932
3. What was the basis of the idea of the nucleus?		
Ans (a)Discharge (b)Alpha		y (d)Solar system
tube scattering experiment		
4. From which elements are alpha particles obtained?		
		(d)Both (b) and (c)
	arded with the alpha particle?	
Ans (a)gold (b)silver	(c)copper (d)	tin
6. What happened to most	of the alpha particles?	
Ans (a) passed un-	(b)bounced back (c)deflecte	d (d) absorbed
deviated		
7. Which particles retraced their paths?		
Ans (a) central (b) peripheral (c) slow (d) fast		
8. What was the name of the atomic model given by Rutherford?		
Ans (a)nuclear model (b)S	olar system (c)Plum pudding	(d) quantum
mod		model
9. Who provided an atomic model in 1913?		
	omson (c) Planck	(d) Bohr
	he solar system model of atom?	
		(d) Both (a) and (b)
11. Alpha particles retraced their path due to		
	1	(d) None of these
12. Mass of the atom is concentrated in		
Ans (a) orbit (b) Nu	cleus (c) None of these	(d) Atom is mass- less
13. Name an atom whose nucleus contains no neutron.		
Ans (a)Hydrogen (b)	Helium (c) Lithium (d	d) Beryllium
14. Electrons revolve around		-
Ans (a) nucleus (b)	proton (c) neutron	(d) quark
15. The nucleus is positively charge due to the presence of		
1 5	protons (c) neutrons	(d) neutrinos