

ST. LAWRENCE HIGH SCHOOL



Sub:Physical Science			Class: 8	Date:03.04.21
Duration: 40 min		Works	Worksheet solutions-23	
	ATOMIC	STRUCTURE/DIS	COVERYOF THE N	UCLEUS
Choo	se the Correct op	otions:		
1.	Who gave the cor	ncept of nucleus?		
Ans	(a)Rutherford	(b)Goldstein	(c)Bohr	(d)Thomson
2.	When was the ide	ea of nucleus formula	ited?	
Ans	(a)1905	(b) 1911	(c) 1913	(d) 1932
3.	What was the bas	is of the idea of the r	nucleus?	
Ans	(a)Discharge (I	b)Alpha particle	(c)Quantum the	eory (d)Solar system
	tube se	cattering experimen	ıt	
4.	From which elem	ents are alpha particl	es obtained?	
Ans	(a)Helium	(b)Polonium	(c)Radium	(d)Both (b) and (c)
5.	What material wa	as bombarded with th	e alpha particle?	
Ans	(a)gold (b)	silver	(c)copper	(d)tin
6.	What happened to	o most of the alpha p	articles?	
Ans	(a) passed un-	(b)bounced b	oack (c)defle	cted (d) absorbed
	deviated			
7.	Which particles r	etraced their paths?		
Ans	(a) central	(b) peripheral	(c) slow	(d) fast
8.	What was the nar	ne of the atomic mod	lel given by Rutherfor	d?
Ans	(a)nuclear mode	el (b)Solar system	(c)Plum pudding	g (d) quantum
		model	model	model
9.	Who provided an	atomic model in 191	3?	
Ans	(a) Rutherford	(b)Thomson	(c) Planck	(d) Bohr
10). What is at the co	entre of the solar syst	em model of atom?	
Ans	(a) neutron	(b)proton	(c) Electron	(d) Both (a) and (b)
11	l. Alpha particles	retraced their path du	e to	
Ans	(a)Attraction	(b) Repulsion	(c) Collision	(d) None of these
12	2. Mass of the ator	n is concentrated in		
Ans	(a) orbit	(b) Nucleus	(c) None of these	(d) Atom is mass-
				less
13	3. Name an atom v	vhose nucleus contain	ns no neutron.	
Ans	(a)Hydrogen	(b) Helium	(c) Lithium	(d) Beryllium
14	4. Electrons revolv	e around		
Ans	(a) nucleus	(b) proton	(c) neutron	(d) quark
15	5. The nucleus is p	ositively charge due	to the presence of	
Ans	(a)electrons	(b) protons	(c) neutrons	(d) neutrinos