FOR GOD AND COUNTRY	ST. LAWR A JESUIT CHF	ENCE HIG	H SCHOO	L
Sub: Physi	ical Science	Class: 8	C	Date: 29.03.21
Duration:	40 min	Worksheet 22	F TRONS AND IONS	Full Marks: 15
	ATOMIC STRUCTO	XE/I KOIONS, NEO	IKONS AND IONS	_
Choose the Corr	rect options:			
1. Who disc	overed anode rays?			
Ans (a)Ruther	rford (b)Goldst	tein (c)Ch	adwick	(d)Thomson
2. Who rena	med anode rays as pos	itive rays?		
Ans (a)Ruther	ford (b) Golds	tein (c) Cl	nadwick	(d) Thomson
3. What was	changed in the discha	rge tube to obtain a	anode rays?	
Ans (a)Highe	r (b)Lower pre	ssure (c)Perfora	ited (d)Di	fferent gas
voltage		cathode		
4. Why were	e anode rays assumed t	o be positive?		
Ans (a)attract	ed to (b)attracte	ed to (c)attrac	ted to (d)Attr	acted to
negative	electrode magnetic no	orth magneti	c south positiv	e electrode
5. The mass of the anode rays obtained from different gases in the tube were				
Ans (a)same	(b)different	(c)not fi	xed (d)No ma	SS
6. When was	s the neutron discovere	ed?		
Ans (a) 1929	(b)1932	(c)194	1 ((d) 1944
7. Which ele	ement used in the disch	arge tube gave pro	otons?	
Ans (a) Hydro	ogen (b) Heli	ium (c) Nitro	ogen (d) Oxy	gen
8. Which ele	ement was used in the o	discovery of neutro	ons?	
Ans (a)Boron	(b)Berylli	um (c)Bisi	nuth ((d) Bromine
9. What are	alpha particles?			
Ans (a) Heliu	m ions (b)Hydroge	n ions (c) Sodiu	m ions (d) Oz	xygen ion
10. In which	kind of a reaction can	an atom change?		
Ans (a) Chem	nical (b) Nuclea	r (c) Endot	hermic (d) All	of these
reaction	reaction	reaction		
11. Who dis	covered neutrons?			
Ans (a)Ruther	ford (b) Golds	tein (c) Cl	nadwick	(d) Thomson
12. An ion is	s charged because the i	number of proton a	and electrons are	
Ans (a) Same	(b) Different	(c) Variat	ole (d) No	one of these
13. What is	the charge on a proton	?		
Ans (a)+1 uni	it (b) 1.6 x	10-19 C (c)	1 C (d) Both	h (a) and (b)
14. Which subatomic particle plays a major role in the formation of compounds?				
Ans (a)electro	on (b) proto	n (c) neutron	()	d) quark
15. When do	bes an ion become nega	ative?		
Ans (a)after le	osing (b) On ga	ining (c) On	being broken (d) A	All of these
electron	electron	electron down to subatomic		
		particle	es	