## EXERCISE MULTIPLE CHOICE QUESTIONS

(1)	Isotopes are atoms of same element with different										
*	(a) Atomic mass	(b) Atomic number	(c) Number protons	(d) Number of electrons							
(2)	One of the isotope:	s of uranium is $rac{238}{92}U$ . T									
	(a) 238	(b) 92	(c) 330	(d) 146							
(3)	Which among the following radiations has more penetrating power?										
	(a) A beta particle	·	(d) All have the same penetrating capability								
	(c) An alpha particl										
(4)											
Ŧ	(a) Increases by 1	(b) Stays the same	(c) decreases by 2	(d) decreases by l							
<b>(5)</b>	The half life of a c	ertain isotope is 1 day	y. What is the quantit	y of the isotope after 2							
	days?										
	(a) One half	(b) One quarter	(c) One eight	(d) None of it							
(6)	When Uranium (92 protons) ejects a beta particle, how many protons are let in the										
	remaining nucleus		,	(1) 00							
	(a) 92 protons	(b) 91 protons	(c) 93 protons	(d) 89 protons							
(7)		by the sun is due to		(1) (1) (1)							
. 6.				s (d) Chemical reaction							
(8)	When heavy nucleus splits into two lighter nuclei, the process would										
	(a) Release nuclear		(b) Absorb nuclear e								
(0)	(c) Release chemic	· ·	(d) Absorb chemical	energy							
(9)		The reason carbon dating works is that  (a) Plants and animals are such strong emitters of carbon-14									
	(کل) After plant of animal dies, it stops taking in fresh carbon-14 (c) There is so much non-radioactive carbon dioxide in the air										
			on alloxide in the all								
	(d) When a plant or	an animal ules		, " · · · · · · · · · · · · · · · · · ·							

## ANSWER KEY

Q	Ans	Q	Aus	Ç.	Ans	Q	Ans	, <b>Q</b>	Ans
1	a	3	b	# 5 ···	b	7	b	9	b
2	b	4 4	d	6	c	8	a		