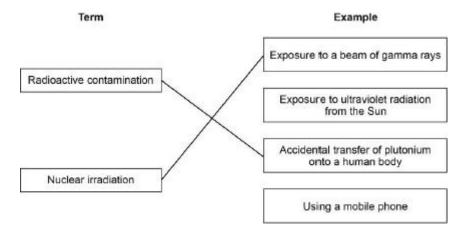
Practice Question Set For GCSE

Subject: Physics



Paper-1 Topic: GCSE Triple Science Atomic Structure (Low Demand Questions)

lame of the Student:		
Marks: 19 Marks Mark Schemes		Time : 19 Minutes
nark oo		
Q1.		
(a)	electron	1
(b)	$radius = 1.7 \times 4.2$	
	radius - 7.14 (famtamatras)	1
	radius = 7.14 (femtometres) allow 7.1 (femtometres)	
		1
(c)	an alpha particle and a gold nucleus are both positively charged	1
(d)	a force of repulsion	
(u)	a force of repulsion	1
(e)	A	1
(0)		1
(f)	tiny spheres that can't be divided	1
(g)	Bohr	
		1 [8]
Q2.		
(a)	protons this order only	
		1
	neutrons	1
(b)	the time taken for half the nuclei in a sample to decay	-
(D)	the time taken for hall the nuclei in a sample to decay	1
(c)	carbon-18	1
(d)		1
((1)		



1 mark for each correct line

additional line from a box on the left negates the mark for that box

to remove radioactive dust from their shoes (e)

1

2

(f) number of days =
$$\frac{0.072}{0.00050}$$

1

number of days = 144

1

(g) Process Fuel Hydrogen Nuclear fission Iron Lead Nuclear fusion Uranium

1 mark for each correct line

additional line from a box on the left negates the mark for that box

2

[11]