Practice Question Set For GCSE

Subject: Physics



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

Name of the Student: Max. Marks: 10 Marks Mark Schemes			Time : 10 Minutes
(a)	1.		
	-1		2
		for 1 mark each	
(b)	(i)	19p, 20n, 19e	
		all correct for 2 marks	
		2 correct for 1 mark	2
	(ii)	K40 has an extra neutron/different number of neutrons/ it has more neutrons/21 neutrons	
		for 1 mark <u>NOT</u> fewer neutrons	
			1
	(iii)	radioactive/ <u>unstable nucleus</u> / nucleus disintegrates/ emits radiation/it has too many neutrons	
		for 1 mark	
			1
	(iv)	calcium/Ca	
		for 1 mark	1
	(v)	1 (e) in outer shell/same number of electrons/outer electron same distance from the nucleus	
		for 1 mark	1
(c)	(i)	Geiger-Muller tube (photographic) film	
	()	for 1 mark	
			1
	(ii)	cancer, leukaemia, radiation sickness etc.	
		for 1 mark	1
			[10]