

Question number	Answer	Notes	Marks
3 (a) (i)	neutron;		1
	(ii) <u>nucleus/nuclei</u> splitting; releasing (two) daughter nuclei / neutrons / energy;	condone <u>nucleus/nuclei</u> breaking apart ignore daughter cells allow smaller/lighter nuclei for daughter nuclei	2
	(iii) neutrons released (by fission) are absorbed by other (uranium) nuclei; causing fission/splitting in other (uranium) nuclei;	condone atoms for nuclei condone atoms for nuclei	2
(b)	concrete / lead / (thick) steel;		1
(c)	graphite; slow; boron; absorb;		4

Total for Question 3 = 10 marks