

Question number	Answer	Notes	Marks
6 (a)	(nuclear) fission;	DO NOT ALLOW fusion	1
(b)	<u>Nucleus</u> splits; Releasing <u>neutrons</u> ; Which (hit / are absorbed by) different (uranium) <u>nuclei</u> ;	PENALISE ONCE if 'atom' used for 'nucleus'	3
(c)	Kinetic (energy of particles)  Of (fission) products / (daughter) nuclei / neutrons	DO NOT ALLOW 'movement' for kinetic	1 1
(d) (i)	Slow down <u>neutrons</u> ;	DO NOT ALLOW 'movement' for kinetic	1
(ii)	Kinetic/heat/thermal; Kinetic; Kinetic/electrical; Electrical;	ALLOW 'electric' for 'electrical'	4
		<b>Total</b>	<b>11</b>