

- 30** The grid shows a number of nuclides arranged according to the number of protons (x-axis) and the number of neutrons (y-axis) in each.

A nucleus of the nuclide ${}^8_3\text{Li}$ decays by emitting a β^- - particle.

What is the resulting nuclide?

number of neutrons	6		C			
	5			${}^8_3\text{Li}$	A	
	4			${}^7_3\text{Li}$	B	
	3	D		${}^6_3\text{Li}$		
	2		${}^4_2\text{He}$			
	1	${}^2_1\text{H}$	${}^3_2\text{He}$			
	0	${}^1_1\text{H}$				
		1	2	3	4	5
		number of protons				

END OF PAPER