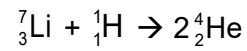


- 29** A nuclear fusion reaction is as follows:



The masses of the nuclei are as follow:

$${}^7_3\text{Li}: 7.018u$$

$${}^1_1\text{H}: 1.008u$$

$${}^4_2\text{He}: 4.004u$$

What is the amount of energy released in this reaction?

- A** $9.0 \times 10^{-21} \text{ J}$ **B** $2.7 \times 10^{-12} \text{ J}$ **C** $6.0 \times 10^{-10} \text{ J}$ **D** $1.6 \times 10^{15} \text{ J}$