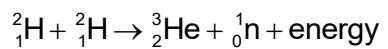


- 30** Two deuterium nuclei fuse together to form a Helium-3 nucleus, with the release of a neutron. The reaction is represented by



The binding energies per nucleon are:

for  ${}_{1}^2\text{H}$       1.09 MeV,  
for  ${}_{2}^3\text{He}$       2.54 MeV.

How much energy is released in this reaction?

- A** 0.36 MeV      **B** 1.45 MeV      **C** 3.26 MeV      **D** 5.44 MeV

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