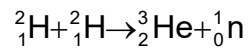


- 29** Two deuterium (${}^2_1\text{H}$) nuclei fuse together to form a helium-3 (${}^3_2\text{He}$) nucleus with the release of a neutron:



The binding energies per nucleon for:

${}^2_1\text{H}$ is 1.09 MeV,

${}^3_2\text{He}$ is 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