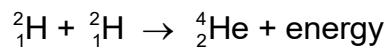


- 29** Two deuterium nuclei undergo a fusion reaction to form a helium nucleus as represented by



The binding energy per nucleon of helium is 2.54 MeV.

The minimum amount of energy released in this reaction is 3.26 MeV.

What is the binding energy per nucleon of deuterium?

A 1.45 MeV

B 1.73 MeV

C 3.36 MeV

D 3.45 MeV