

**28** The mass defect of the nuclide  ${}^3_2\text{He}$  is 0.008286 u.

What is the binding energy per nucleon of the nuclide?

**A**  $2.48 \times 10^{-13} \text{ J}$

**B**  $4.13 \times 10^{-13} \text{ J}$

**C**  $6.19 \times 10^{-13} \text{ J}$

**D**  $1.24 \times 10^{-12} \text{ J}$

