13. The following statement represents a nuclear reaction.

$$^{12}_{6}C + ^{4}_{2}He \rightarrow ^{16}_{8}O + \gamma$$

The total mass of the particles before the reaction is 26.572×10^{-27} kg.

The total mass of the particles after the reaction is 26.560×10^{-27} kg.

The energy released in this reaction is

A 1.20×10^{-29} J

B 3.60×10^{-21} J

C 5.40×10^{-13} J

D 1.08×10^{-12} J

E 2.39×10^{-9} J.