

29 The nucleus of an isotope of bismuth is represented as $^{212}_{83}\text{Bi}$.

The nucleus has mass M , a proton has mass M_p and a neutron has mass M_n .

What is the mass defect for the bismuth nucleus?

A $M - 83M_p - 129M_n$

B $M - 212M_p - 83M_n$

C $83M_p + 129M_n - M$

D $212M_p + 83M_n - M$