

- 29** Nucleus P undergoes a series of nuclear reactions to form nucleus Q. It is found that Q has the same nucleon number as P, but a larger mass.

Which statement is true?

- A** P is less stable than Q.
- B** P requires more energy than Q to be separated into its individual nucleons.
- C** The binding energy of P is smaller than the binding energy of Q.
- D** There has been a net release of energy through the series of nuclear reactions.