

3 Which of the following statements about nuclear binding energy (B.E.) is correct?

- ☐ A B.E. per nucleon increases steadily as proton number increases.
- ☐ B B.E. per nucleon decreases steadily as proton number increases.
- ☐ C B.E. per nucleon is approximately constant for all elements.
- ☐ D B.E. per nucleon increases to a maximum and then decreases as proton number increases.

(Total for Question 3 = 1 mark)