

18 An alpha-particle has 2.2×10^{-13} J of kinetic energy.

What is the speed of the alpha-particle?

- A** $4.1 \times 10^6 \text{ ms}^{-1}$
- B** $5.8 \times 10^6 \text{ ms}^{-1}$
- C** $8.1 \times 10^6 \text{ ms}^{-1}$
- D** $1.2 \times 10^7 \text{ ms}^{-1}$