

10 The structure of nucleons can be investigated using electrons with high energies.

Which of the following is the reason why high energies are required?

- ☐ **A** to allow for the creation of new particles
- ☐ **B** to overcome the repulsive electrostatic forces
- ☐ **C** to produce a relativistic increase in particle lifetime
- ☐ **D** to produce short de Broglie wavelengths

(Total for Question 10 = 1 mark)