

- 8 In the early 20th century experiments were carried out to measure the scattering of alpha particles after striking thin gold foil.

Which of the following could **not** be concluded from the results of these experiments?

- ☐ A The nucleus is charged.
- ☐ B The nucleus contains most of the mass of the atom.
- ☐ C The nucleus contains neutrons and protons.
- ☐ D The nucleus is very small compared to the atom.

(Total for Question 8 = 1 mark)