

5 Which of the following is **not** a valid conclusion from Rutherford's alpha particle scattering experiments?

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

(Total for Question 5 = 1 mark)