

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

- ☐ A Most of the atom is empty space.
- ☐ B Most of the mass of the atom is concentrated in the nucleus.
- ☐ C The nucleus contains all of the charge of the atom.
- ☐ D The radius of the nucleus is very small compared to the radius of the atom.

(Total for Question 5 = 1 mark)