

9 Which of the following can be concluded about a gold atom from the deflection of this α particle?

- ☐ **A** The atom contains electrons.
- ☐ **B** The atom has zero charge.
- ☐ **C** The nucleus is very small compared to the atom.
- ☐ **D** The nucleus of the atom is positively charged.

(Total for Question 9 = 1 mark)