

29 In the Rutherford scattering experiment, most of the α -particles passed through the foil with small deflection. Which one of the following is a correct conclusion from this result?

- A** The atom is overall electrically neutral.
- B** The nucleus is positively charged.
- C** The diameter of the nucleus is much less than the diameter of the atom.
- D** Mass of electrons is negligible compared to the mass of nucleus.