

27 In the Rutherford α -particle scattering experiments, α -particles are directed at a thin gold foil.

What is a direct deduction from the results of the experiment?

- A** α -particles are nuclei of helium atoms.
- B** α -particles are positively charged.
- C** The nucleus of the atom is much smaller in size than the size of the whole atom.
- D** The nucleus of the atom is oppositely charged to the electrons.

28 The table shows the number of neutrons and nucleons of four different atoms.