

29 It is observed that α -particles incident on a thin gold foil are mostly undeflected, while a small proportion of them are deflected at very large angles.

Which statement provides the explanation for these observations?

- A** The α -particles are scattered by electrons.
- B** The α -particles are diffracted by the crystal lattice.
- C** The α -particles collide with small but massive nuclei.
- D** The α -particles undergo nuclear fission.

