

- 40** Which statement about the alpha-particle scattering experiment provides evidence for the existence of the nucleus?
- A** A tiny proportion of the alpha-particles are deflected through large angles.
 - B** Slower alpha-particles are deflected through larger angles.
 - C** The kinetic energies of the deflected alpha-particles are unchanged.
 - D** The number of alpha-particles deflected depends on the thickness of the foil.