

- 39** A slow-moving neutron collides with a nucleus of uranium-235. This results in a nuclear reaction that is represented by the following nuclear equation



where x represents one or more particles.

What does x represent?

- A** one neutron
- B** two electrons
- C** two neutrons
- D** two protons

- 40** The first artificial radioactive substance was made by bombarding aluminum,  ${}^{27}\text{Al}$ , with