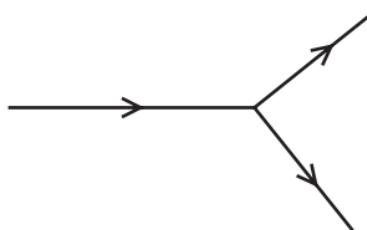


- 9 A nucleus collides with a stationary nucleus in a vacuum. The diagrams show the paths of the nuclei before and after the collision.

No other particles are involved in the collision.

Which diagram is **not** possible?

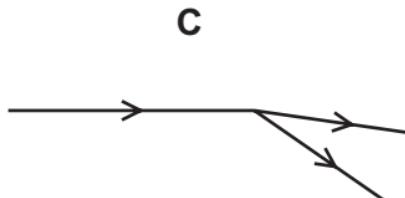
A



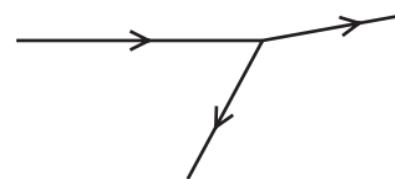
B



C



D



- 10 A uniform electric field is applied to a parallel plate capacitor. A circuit is connected to the capacitor as shown.