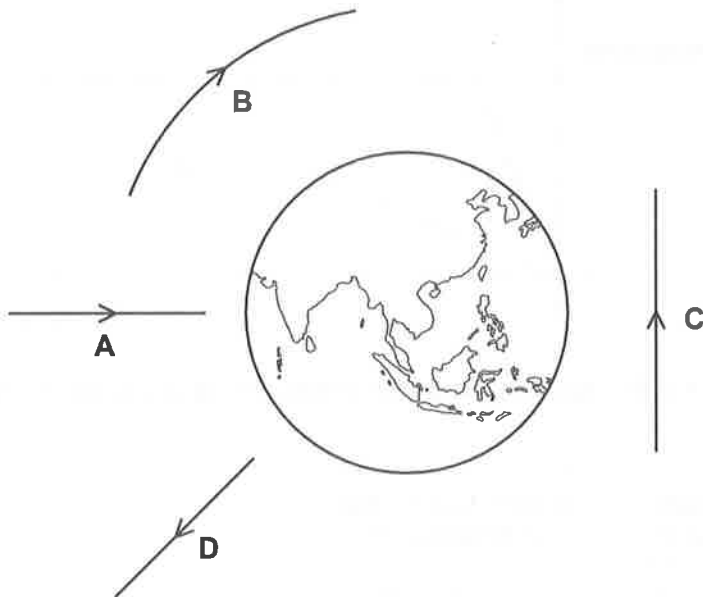


- 9 The lines on the diagram show parts of four paths of a spacecraft moving near the Earth above any influence of the atmosphere.

Which path is **not** possible unless the spacecraft fires its rockets as it follows the path?



- 10 A box has dimensions p , q and r . The box contains N molecules, each of mass m , of an ideal