

15 A satellite is in a circular orbit travelling at a constant speed around the Earth.

Which statement about the satellite is correct?

- A The satellite is in equilibrium because it is travelling at a constant speed.
- B The satellite is in equilibrium because the gravitational force equals the centripetal force.
- C The satellite is not in equilibrium because it is travelling at a constant velocity.
- D The satellite is not in equilibrium because there is a resultant force acting on it.

16 The centripetal force on an electron as it orbits a proton is 2.3×10^{-8} N