

- 8** Titan, the largest moon of Saturn, orbits in a circle around Saturn with a radius of 1.22×10^6 km. It has an orbital period of 15.9 days.

What is the centripetal acceleration of Titan?

- A** 4.06×10^{-3} m s⁻²
- B** 2.55×10^{-2} m s⁻²
- C** 9.19×10^{-2} m s⁻²
- D** 1.55×10^3 m s⁻²