

- 5** An object, made from two equal spherical masses joined by a light rod, falls with uniform velocity through air.

The rod remains horizontal.

Which statement about the equilibrium of the system is correct?

- A** It is not in equilibrium because it is in motion.
- B** It is not in equilibrium because there is a resultant force.
- C** It is in equilibrium because there is no resultant torque.
- D** It is in equilibrium because there is no resultant force and no resultant torque.

[Turn over