

6 An object in a space capsule orbiting the Earth seems to be floating.

Which statement describes the forces acting on the object?

- A** There are no forces on the object.
- B** The centrifugal force on the object is equal and opposite to its weight.
- C** The centripetal force on the object is equal and opposite to its weight.
- D** The weight of the object is the only force acting on it.