

**11** Two satellites, A and B, orbiting around Earth have the same kinetic energy. Satellite A has a larger mass than satellite B. Which of the following statements is correct?

- A** Satellite A has the same total energy as satellite B.
- B** Satellite A has a smaller gravitational potential energy than satellite B.
- C** Satellite A has a larger gravitational potential energy than satellite B.
- D** Satellite A has a larger angular velocity than satellite B.

