

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 orbital radius than satellite B.
- C** Satellite A has a smaller period than satellite B.
- D** Satellite A has a larger angular velocity than satellite B.

12 For the construction of a thermometer, what is an essential requirement of a thermometric