

- 9** The gravitational potential energy of a given mass is known at both Earth's surface and at a known distance above Earth. The values of the radius and mass of Earth are unknown.

Which of the following cannot be determined by comparing the two values of gravitational potential energy?

- A** the mass of Earth
- B** the speed of rotation of Earth
- C** the escape velocity of the satellite from Earth's surface
- D** the work done in moving the mass between the two points