

- 10** An isolated spherical planet has mass M and radius R . The acceleration of free fall on the surface of the planet is g .

What is the work done to move a small mass m from the surface to a height $2R$ above the surface?

- A** $0.50 \, mgR$ **B** $0.67 \, mgR$ **C** mgR **D** $2.0 \, mgR$