

- 11 A satellite of mass 200 kg is moved from an orbit where the gravitational potential is -80 MJ kg^{-1} to another orbit where the gravitational potential is -40 MJ kg^{-1} .

What is the increase in its **total** energy?

- A** 0 MJ **B** 2000 MJ **C** 4000 MJ **D** 8000 MJ