

- 11** A satellite of mass 1500 kg is in the Earth's gravitational field. It moves from a point where the gravitational potential is -30 MJ kg^{-1} to a point where the gravitational potential is -20 MJ kg^{-1} .

What is the direction of movement of the satellite and the change in its gravitational potential energy?

	direction of movement of satellite	change in gravitational potential energy / GJ
A	away from Earth	15
B	away from Earth	75
C	towards Earth	15
D	towards Earth	75