

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

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
<b>A</b>	away from Earth	15
<b>B</b>	away from Earth	75
<b>C</b>	towards Earth	15
<b>D</b>	towards Earth	75