

- 11** The table below gives the gravitational potential values at various points in the field of a planet.

Distance from surface / km	Potential / kJ kg^{-1}
0	- 544.6
220	- 369.2
230	- 345.8
240	- 322.5
Infinity	0

What is the gravitational acceleration at a height of 230 km above the surface of this planet?

- A** 1.50 m s^{-2} **B** 2.34 m s^{-2} **C** 3.46 m s^{-2} **D** 9.81 m s^{-2}

[Turn over]