15 A satellite of mass 810 kg is to be raised from the Earth to a height of 92.0 km above the surface of the Earth.

What is the necessary increase in the potential energy of the satellite?

The mass of the Earth is 5.98×10^{24} kg.
The radius of the Earth is 6370 km.

A 7.22×10^{5} J **B** 7.31×10^{5} J **C** 7.22×10^{8} J **D** 7.31×10^{8} J