

13 Why does the formula  $E_p = mgh$  only apply to potential energy changes just above the Earth's surface?

- A At slightly greater distances from the Earth, the gravitational attraction of the Moon is significant.
- B  $g$  varies over the surface of the Earth.
- C  $h$  is very small compared to the radius of the Earth.
- D  $m$  is very small compared to the mass of the Earth.