

- 15** In many filament lamps, as much as 92 J of energy is emitted as thermal energy for every 8 J of energy emitted as light.

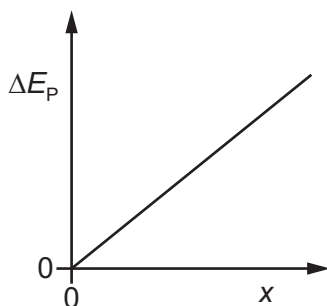
What is the efficiency of a filament lamp, as the percentage of electrical energy converted to light energy?

- A** 8% **B** 9% **C** 91% **D** 92%

- 16** What is a unit of power?

- A** JC^{-1} **B** Jm^{-1} **C** JN^{-1} **D** Js^{-1}

- 17** An object is in a uniform gravitational field. The graph shows how the change in gravitational potential energy ΔE_p of the object varies with the vertical distance x moved by the object from a fixed point.



Which graph shows how the gravitational force F acting on the object varies with distance x ?

