

1 A laser emits light of wavelength 600 nm.

What is the distance, expressed as a number of wavelengths, travelled by the light in one second?

A 5×10^8

B 5×10^{11}

C 5×10^{14}

D 5×10^{17}

2 At temperatures close to 0 K, the specific heat capacity c of a particular solid is given by: $c \propto T^3$