

10.4

Q1. Give **two** quantities that are always conserved in any interaction or decay.

11.1

Q4. Photons each with energy 12.1 eV are incident on the surface of a caesium sample.
The threshold frequency of caesium is 5.1×10^{14} Hz.
Calculate the maximum kinetic of electrons emitted from the caesium.

18.2

Q1. State, in words, how the force acting on a body is related to the change in momentum of the body.

19.2

Q1. State the unit of the rate of dissipation of energy.