

**1** Make reasonable estimates of the following quantities.

**(a)** mass of an apple

mass = ..... kg [1]

**(b)** number of joules of energy in 1 kilowatt-hour

number = ..... [1]

**(c)** wavelength of red light in a vacuum

wavelength = ..... m [1]

**(d)** pressure due to a depth of 10 m of water

pressure = ..... Pa [1]