

## AS SCIENCE RELATIONSHIPS SHEET

pressure = force  $\div$  area

energy transferred = mass  $\times$  specific heat capacity  $\times$  temperature rise

density = mass  $\div$  volume

wavenumber = 1 / wavelength

speed = frequency  $\times$  wavelength

energy = Planck constant  $\times$  frequency

current = charge  $\div$  time

power = voltage  $\times$  current

power loss = (current)<sup>2</sup>  $\times$  resistance