Power – 5.6

Power (P) is a rate. It is the rate at which

- Energy is used (Ee or Eg or Ek etc.)   …or
- Work is done (W = Fd)

The unit is Watts or Joules/second.

$P = E/t$ $P = W/t$

Look at:

Example 11 – proportionality * this is helpful!

    If $P = E/t$, then $P \propto E/t$

                so… as E increases, then P increases

                so… as t increases, then P decreases.

Example 13 – little harder – involves Eg and a ramp (use trig for height)

    Look at this one too.

Try: pg. 259 # 1,2,4   (number problems)

    Pg. 273 # 1,2,3,4,5,6,7,8   (thought problems)