

**17** Which amount of energy is **not** 2400 J?

- A** the decrease in gravitational potential energy of a mass of 60 kg when it moves vertically downwards through 40 m near the Earth's surface
- B** the energy transferred in 15 s by a machine of power 160 W
- C** the kinetic energy of a mass of 12 kg moving at a speed of  $20\text{ m s}^{-1}$
- D** the work done by a gas expanding against a constant external pressure of 120 kPa when its volume increases by  $0.020\text{ m}^3$