

**17** A fisherman lifts a fish of mass 250g from rest through a vertical height of 1.8m. The fish gains a speed of  $1.1\text{ m s}^{-1}$ .

What is the energy gained by the fish?

A 0.15J

B 4.3J

C 4.4 J

D 4.6J

**18** Water from a reservoir is fed to the turbines of a hydroelectric system at a rate of  $500\text{ kg s}^{-1}$ . The