

- 21** Water from a reservoir is fed to the turbine of a hydroelectric system at a rate of 500 kg s^{-1} . The reservoir is 300 m above the level of the turbine.

The electrical output from the generator driven by the turbine is 200 A at a potential difference of 6000 V.

What is the efficiency of the system?

- A** 8.0 % **B** 8.2 % **C** 80 % **D** 82 %

- 22** Which row correctly describes the spacing, ordering and motion of the molecules in water and in