

- 11** A thin horizontal plate of area  $0.036 \text{ m}^2$  is beneath the surface of a liquid of density  $930 \text{ kg m}^{-3}$ . The force on one side of the plate due to the pressure of the liquid is  $290 \text{ N}$ .

What is the depth of the plate beneath the surface of the liquid?

- A**  $0.88 \text{ m}$                       **B**  $1.1 \text{ m}$                       **C**  $1.8 \text{ m}$                       **D**  $8.7 \text{ m}$