

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

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

- A** 0.88 m **B** 1.1 m **C** 1.8 m **D** 8.7 m

- 15** A horizontal plate is held in a liquid by a force of 12 N . The area of the plate is 0.02 m^2 . The density of the liquid is 800 kg m^{-3} .