

- 5** A cube of sides 10 cm has a density of 7.8 g cm^{-3} . It floats vertically with one-eighth of its side exposed above the liquid surface.

What is the density of the liquid?

- A** 6.8 g cm^{-3} **B** 8.9 g cm^{-3} **C** 11.6 g cm^{-3} **D** 62.4 g cm^{-3}