

- 21** A mass of a liquid of density ρ is thoroughly mixed with an equal mass of another liquid of density 2ρ . No change of the total volume occurs.

What is the density of the liquid mixture?

A $\frac{4}{3}\rho$

B $\frac{3}{2}\rho$

C $\frac{5}{3}\rho$

D 3ρ

- 22** Which of the following correctly defines the terms stress, strain and Young modulus?