

- 14 In a large container in an oil refinery, three oils of different densities are mixed. No chemical activity occurs.

The mixture consists of:

1200 kg of oil of density 1100 kg m^{-3}

1500 kg of oil of density 860 kg m^{-3}

4000 kg of oil of density 910 kg m^{-3} .

What is the density of the mixture?

A 927 kg m^{-3}

B 933 kg m^{-3}

C 957 kg m^{-3}

D 1045 kg m^{-3}

- 15 A bulb is connected to a 120W fan. The fan is connected to the bulb. The fan is fully on.