7 A small air bubble in some water is rising to the surface with constant velocity.

The volume of the bubble is $2.370 \times 10^{-8}\,m^3$.
The density of water is $1000\,kg\,m^{-3}$.
The density of air is $1.290\,kg\,m^{-3}$.

What is the magnitude of the viscous force on the bubble?

A $2.367 \times 10^{-5}\,N$

B $2.373 \times 10^{-5}\,N$

C $2.322 \times 10^{-4}\,N$

D $2.328 \times 10^{-4}\,N$