

18. A ray of monochromatic light passes from air into water.
The wavelength of this light in air is 589 nm.
The speed of this light in water is

- A $2.56 \times 10^2 \text{ m s}^{-1}$
- B $4.52 \times 10^2 \text{ m s}^{-1}$
- C $2.26 \times 10^8 \text{ m s}^{-1}$
- D $3.00 \times 10^8 \text{ m s}^{-1}$
- E $3.99 \times 10^8 \text{ m s}^{-1}$.