**Answer:**

Refractive index = 1.50

Speed of light in air = 3.0 \* 108 m/s

Speed of light in the medium (glass),

n = c/v

1.5 = 3\* 100000000 / v

V = 3 \* 100000000 / 1.5

V= 3 \* 1000000000 / 15

V = 1000000000 / 5

V = 200000000 m/s

Therefore speed of light in the glass = 2.0 \* 108 m/s

Thank You…………….

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