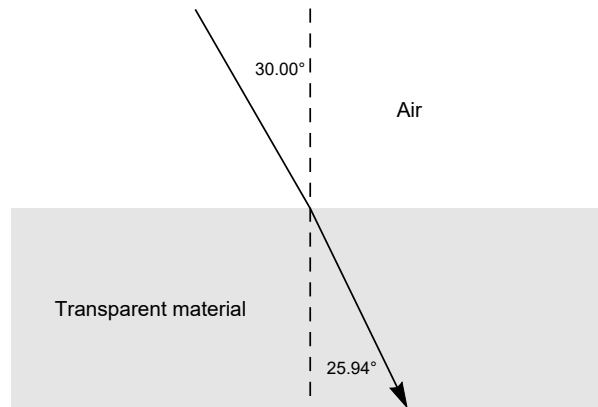


1. A ray of light is incident on the surface of a transparent material and refracts as shown in the figure below. Assume the refractive index of air to be exactly one. What is the speed of light inside the material, where c is the speed of light in a vacuum:



A. $0.441\,c$
D. $2.267\,c$

B. $0.875\,c$
E. $1.309\,c$

C. $0.764\,c$