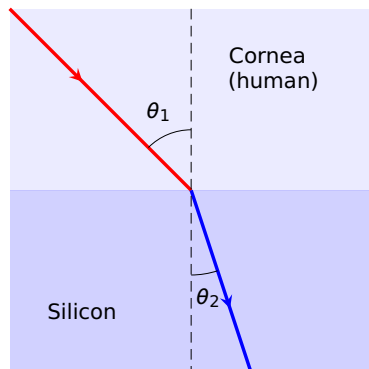
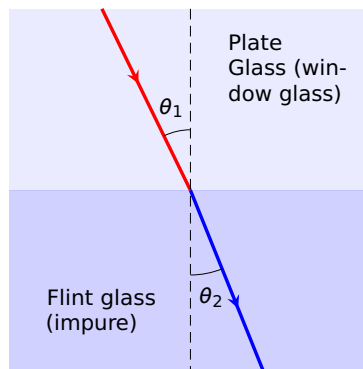


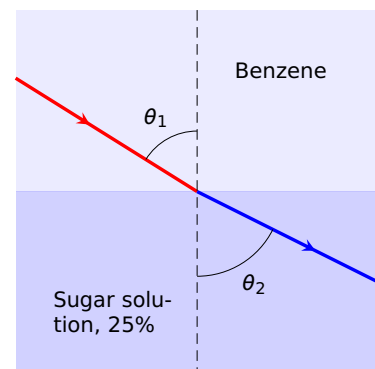
For each of the following ray diagrams identify the more optically dense material.



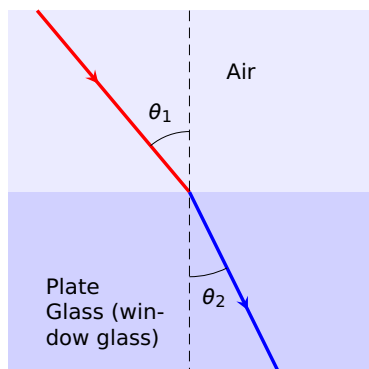
1)



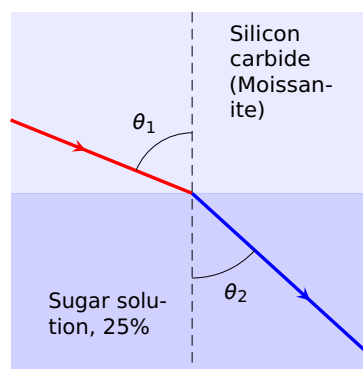
2)



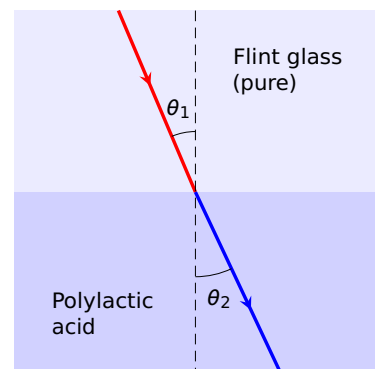
3)



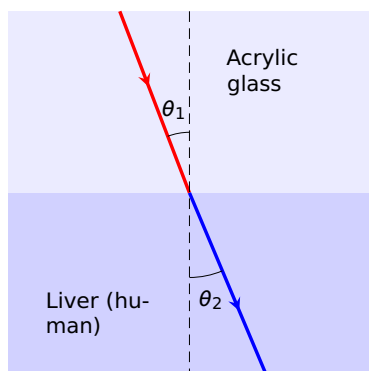
4)



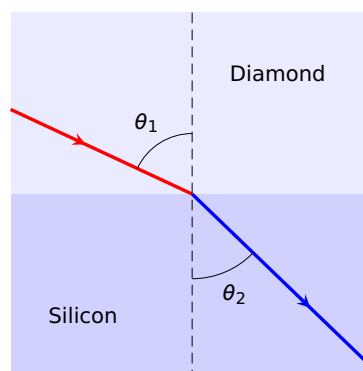
5)



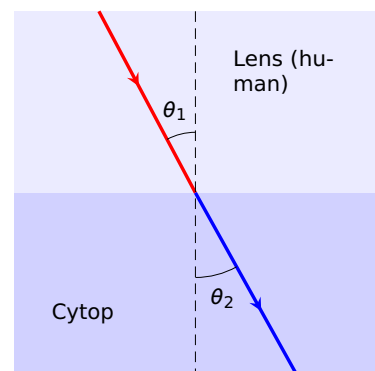
6)



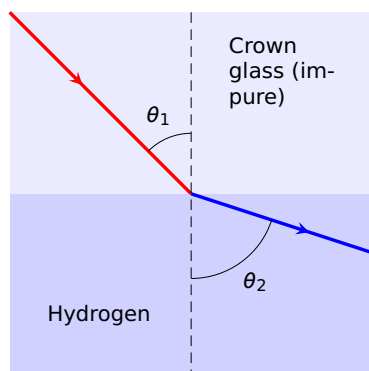
7)



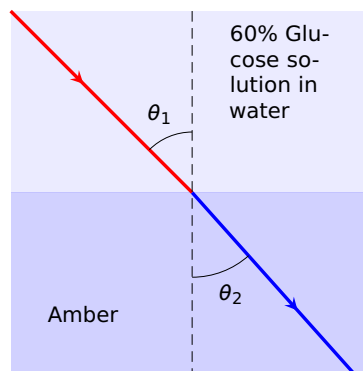
8)



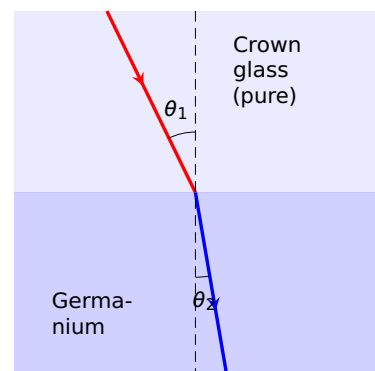
9)



10)



11)



12)

Answers

- 1) Silicon
- 2) Flint glass (impure)
- 3) Benzene
- 4) Plate Glass (window glass)
- 5) Silicon carbide (Moissanite)
- 6) Flint glass (pure)
- 7) Acrylic glass
- 8) Silicon
- 9) Lens (human)
- 10) Crown glass (impure)
- 11) Amber
- 12) Germanium