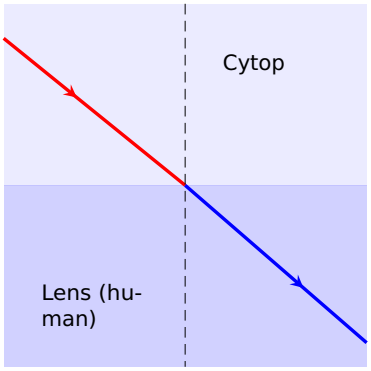
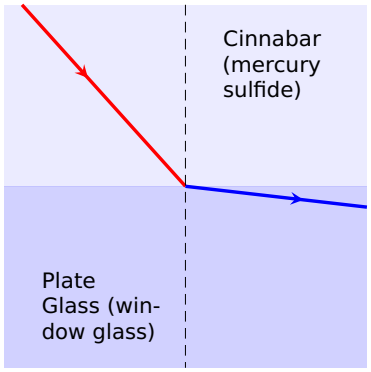
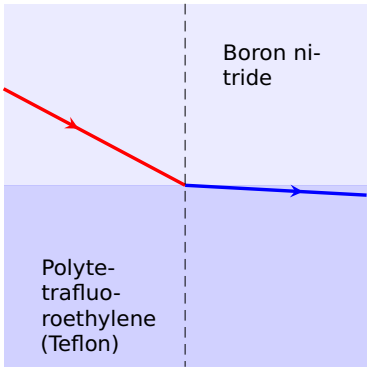
For each of the following ray diagrams measure the angles of incidence, i, and refraction, r.



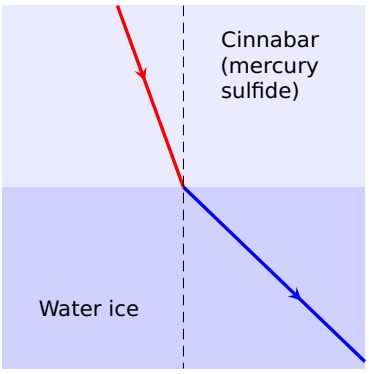
1) i=
r=



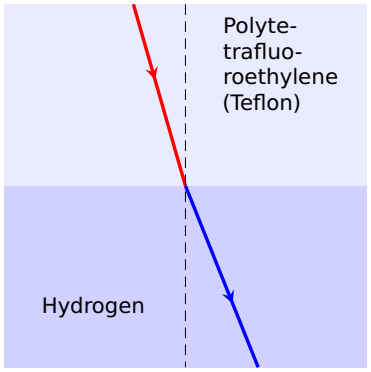
2) i=
r=



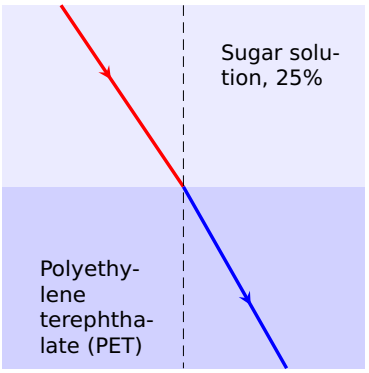
3) i=
r=



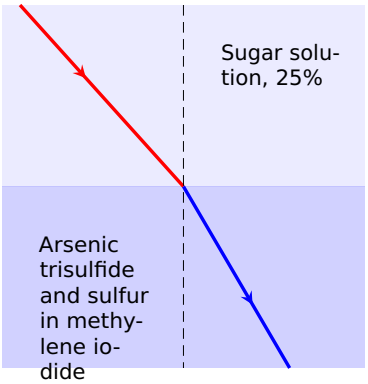
4) i=
r=



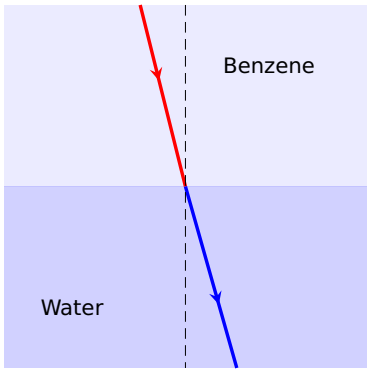
5) i=
r=



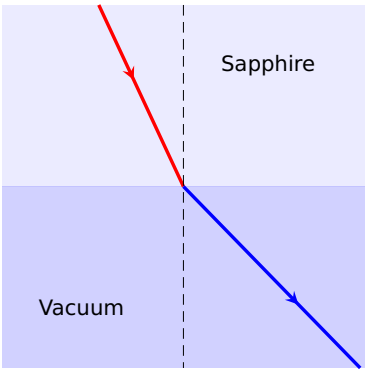
6) i=
r=



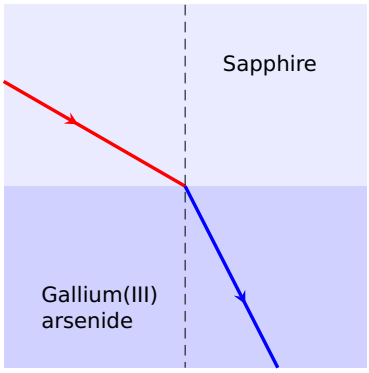
7) i=
r=



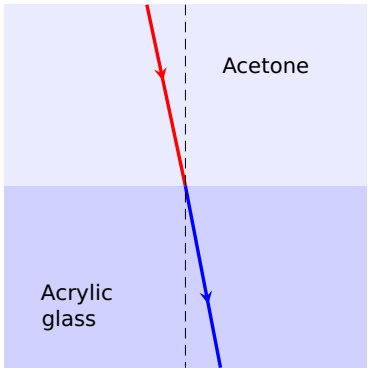
8) i=
r=



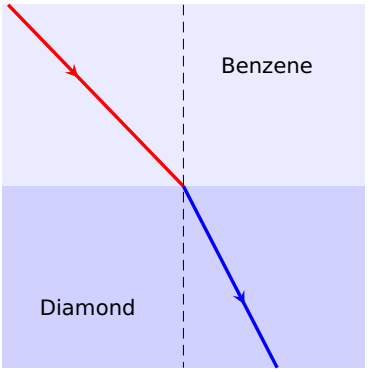
9) i=
r=



10) i=
r=



11) i=
r=



12) i=
r=

Answers

1) i=51°, r=49°
2) i=42°, r=83°
3) i=62°, r=87°
4) i=20°, r=46°
5) i=16°, r=22°
6) i=34°, r=30°
7) i=42°, r=30°
8) i=14°, r=16°
9) i=25°, r=44°
10) i=60°, r=27°
11) i=12°, r=11°
12) i=44°, r=27°