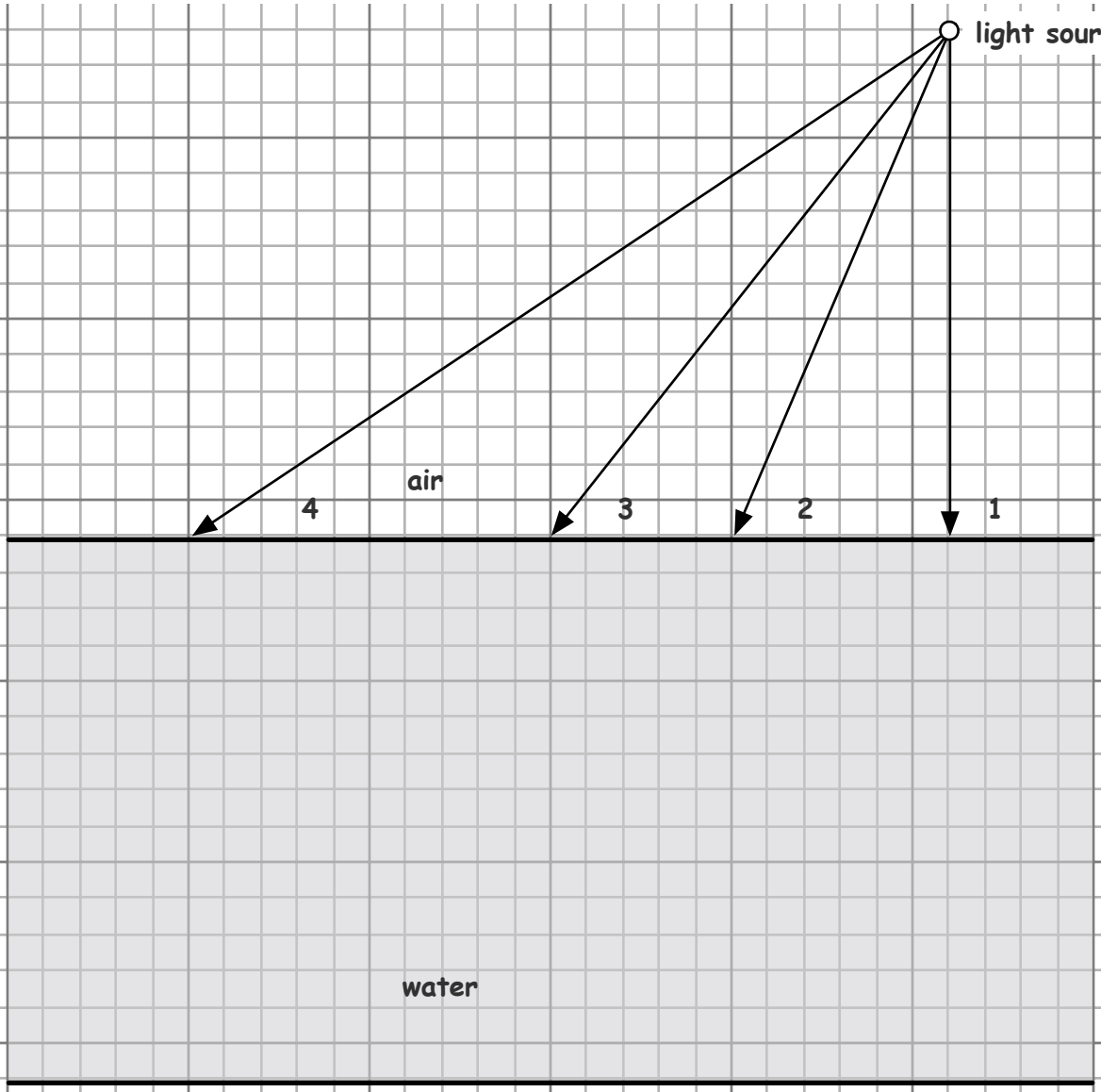
Chapter 23 Assignment 6 Name _____

Correctly draw the path for each light ray shown as it proceeds from air to water. SHOW the values of the angles of incidence and of refraction in each case. The index of refraction for air is 1.00. The index of refraction for water is 1.33.



1. θ_i = _____ θ_r = _____

2. θ_i = _____ θ_r = _____

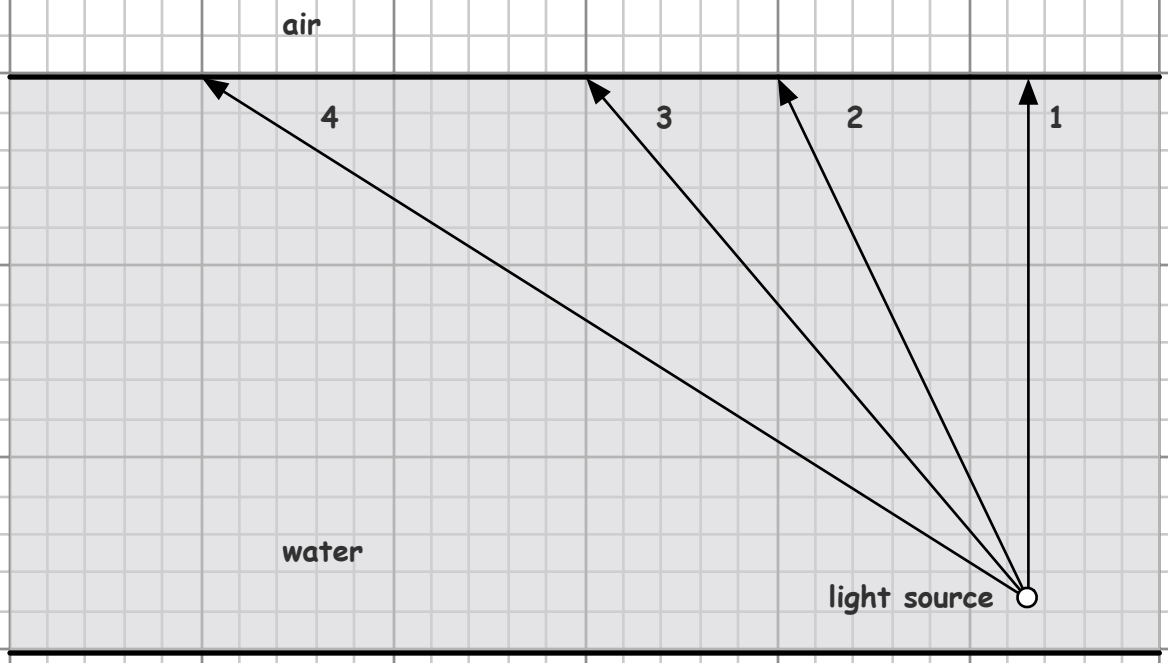
3. θ_i = _____ θ_r = _____

4. θ_i = _____ θ_r = _____

Ch 23 Assignment 7
Light traveling from water into air

Name _____

Correctly draw the path for each light ray shown as it proceeds from water to air. SHOW the values of the angles of incidence and of refraction in each case. The index of refraction for air is 1.00. The index of refraction for water is 1.33.



1. θ_i = _____

   θ_r = _____

2. θ_i = _____

   θ_r = _____

3. θ_i = _____

   θ_r = _____

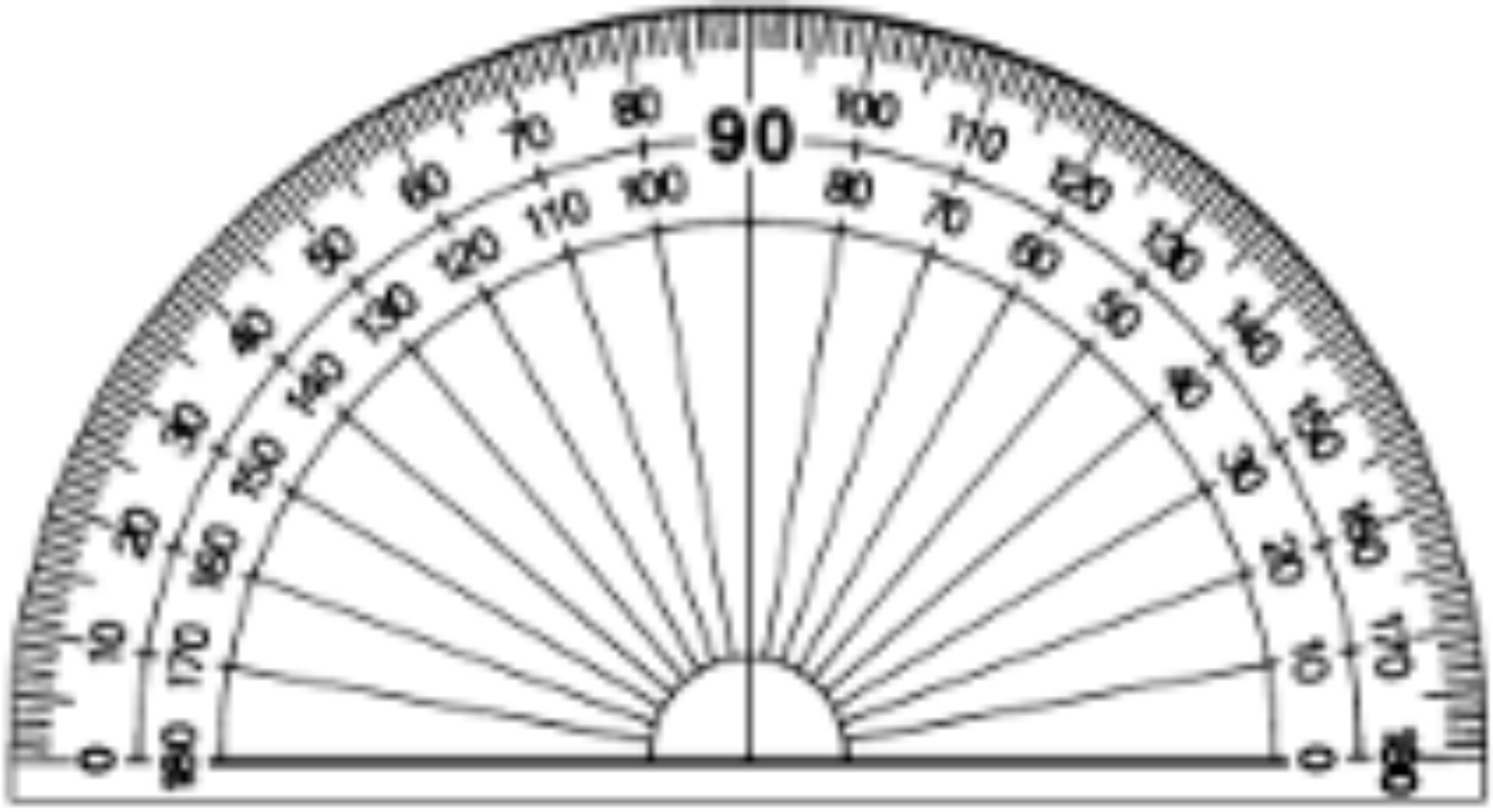
4. θ_i = _____

   θ_r = _____

What is this phenomenon called?

_____


90


90
0
180