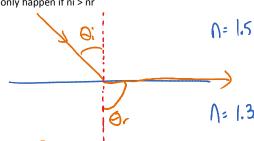
Critical Angle and Total Internal Reflection

Monday, May 30, 2011 9:43 AM

Oi & critical angle

When a refracted angle is 90° we call the incident angle the critical angle. This

Can only happen if ni > nr



Ni Sindi=nr Sintr

At any

incident angle greater than the critical angle all light is reflected internally by the law of reflection and is called total internal reflection.

Determine the critical angle for light travelling from quartz to water.

Or = 70.10

nising = 1.33 5500 Oc= 59.7°

Ind the critical angle for light travelling (n=1.36)