

Name \_\_\_\_\_ Period \_\_\_\_\_

Physics Lens Quiz 2

1. Light tries goes from a particular glass ( $n=1.45$ ) into air but the light does not make it out (fiber optics). What is the critical angle for this situation? (Check your homework if you don't know the definition of critical angle.)

2. The refracted angle of light entering water ( $n=1.333$ ) from air is measured to be  $23.6^\circ$ . Diagram the situation. Label incident ray, incident angle, reflected angle, reflected ray, refracted angle, refracted ray. Calculate necessary angles.