Name:			/ 7
Chapter 22.2 Homework			
Conceptual Physics	Pa	arent Signature:	
Each numbered question is we	orth one point unless othe	erwise noted.	
Reviewing Concepts			
10. What happens to light as refraction?	it moves from one materi	ial to another that has a different inde	ex of
11. Refer to Table 22.1 in the ability to bend light toward th		ng from air, which material has a greas? How do you know?	ater
12. A glass rod appears to dis	appear when placed in ve	egetable oil. Why?	
14. Fiber optics are glass fiber through glass. Why doesn't light		know from experience that light shind ass fibers?	es
Solving Problems			
5.The graphic on page 539 sh a. Copy the sketch and d		vels from air into water. e boundary between the air and wate	r. (1)
c. Find and label the inde	ex of refraction for each r	,	
closer to the normal passing f	rom the glass to the liquid	d. You observe that the light ray berd. Based on this observation, how dodex of refraction for the glass?	