Name	Date	
Teacher	Period	

Physics - Refraction Worksheet

1.	Using a.	Table 17-1 in your book, determine the speed of light in the following substances: Crown Glass
	b.	Water
	C.	Diamond
2.	The sp	peed of light in one type of plastic is 2.50 x 10 ⁸ m/s. What is the index of refraction of the?
3.	Light in refract	n air is incident upon a piece of flint glass at an angle of 35 ⁰ . What is the angle of ion?
4.	A ray o	of light passes from air to water at an angle of 50.0° . Find the angle of refraction.

5.	A ray o	of light is incident on a piece of quartz at 40.0 ⁰ . What is the angle of refraction?
	b.	Compare your answer for 5a to your answer for your problem 3. Does flint glass or quartz bend light more?
6.	A bloc at an a a.	k of unknown material is submerged in water. Light in the water is incident on the block angle of 35°. The angle of refraction is 23°. What is the index of refraction of the unknown material?
	b.	What is the speed of light in the unknown material?