

NAME _____

1. What is the difference between polarized light and unpolarized light?

2. If the angle between the incident electric field and a polarizer's transmission axis is 40 degrees, what fraction of the incident intensity is transmitted?

3. What is Brewster's angle, and what is the index of refraction of a material when Brewster's angle is 63 degrees?

4. What is double refraction?

Question 2 Experiment 4 in the laboratory manual should be answered before you come to the laboratory.