

Name

Worksheet for Basic Polarized Light

Procedure	Observations
Polarized films (2)	
Plasticware	
Mica sheet	
Iceland spar	
Wave retarder	

1. What is the definition of polarization?

- 2. How does an analyzer work?
- 3. What do optically active materials do to polarized light passing through them?
- 4. What are examples of optically active materials?
- 5. Why might cellophane tape, when viewed through an analyzer, change color?

6. What is birefringence?

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