

Name _____ Class _____ Date _____

Chapter 14: Light and Reflection

Section 14-4: Color and polarization

Pacing

Regular Schedule: with lab(s): 2 days without lab(s): 1 day

Block Schedule: with lab(s): 1 day without lab(s): 1/2 day

Objectives

1. Recognize how additive colors affect the color of light.
2. Recognize how pigments affect the color of reflected light.
3. Explain how linearly polarized light is formed and detected.

National Science Education Standards Covered

_____ UCP 1: Systems, order, and organization

_____ UCP 2: Evidence, models, and explanation

_____ UCP 5: Form and function

_____ SAI 1: Abilities to do scientific inquiry

_____ SAI 2: Understanding about scientific inquiry

_____ ST 1: Abilities of technological design

_____ ST 2: Understanding about science and technology

_____ SPSP 5: Science and technology in society

Block 7

Lab *45 minutes*

_____ **Laboratory Experiments**, Chapter 14 Invention Lab, “Designing a Device to Trace Drawings.” Students use mirrors to produce an image of an object and trace it.

Holt Physics Light And Reflection Test Answers

Minjie Lin



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Physics Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2006 *Cities and Their Vital Systems* Advisory Committee on Technology and Society, 1989 *Cities and Their Vital Systems* asks basic questions about the longevity utility and nature of urban infrastructures analyzes how they grow interact and change and asks how when and at what cost they should be replaced Among the topics discussed are problems arising from increasing air travel and airport congestion the adequacy of water supplies and waste treatment the impact of new technologies on construction urban real estate values and the field of telematics the combination of computers and telecommunications that makes money machines and national newspapers possible **Fundamentals of Physics** Henry Semat, 1966 *Proceedings of the International Conference on Systems, Man and Cybernetics* ,1983 **The Saturday Review of Politics, Literature, Science and Art** ,1858 1983 *Proceedings of the International Conference on Systems, Man and Cybernetics, December 29, 1983-January 7, 1984, Bombay and New Delhi, India* ,1983 **PASCAL** .,1992 Government Reports Announcements & Index ,1989-08 *Books in Print Supplement* ,2002 **Forthcoming Books** Rose Arny,1997 **Holt Science and Technology** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2001 *Holt Physics* ,2000-12 *Holt Physics* Holt, Rinehart, and Winston, inc, 2001 *Holt Science and Technology Physical Science* Holt Rinehart & Winston, 2000-05-01 **The Project Physics Course Unit 4** ,1968 **Section Reviews with Answer Key** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 1997-01-01 **Holt Handbook** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2003-01-01 **Reteaching Worksheets with Answer Key** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 1997-01-01 **Holt Handbook Chapter Test with Answer Key, Introductory Course** Holt Rinehart & Winston, 2002-02-01

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