

2009 PreAP Light and Optics 6

1. Do these problems from chapter 14: p.550—Q11, 23, 24, 25, 27, 40, 41, 47, 56.
2. Look again at the picture of the prism on p.520. This shows that different colors of light have different indexes of refraction. Why, then do astronomers prefer to use mirrors instead of lenses?
3. What type of light is used by the following devices?
 - A. Cell phones?
 - B. Televisions?
 - C. Photography cameras?
 - D. Heat?
 - E. Can see thru the body?
4. Do these problems from chapter 15: p.587—14; 53;