**Reading Quiz #5--PHYS 151--S15--Chapter 6**

**Multiple Choice**

_Identify the choice that best completes the statement or answers the question._

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
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| 1. Light entering the eye refracts the most at which point?              | a. the lens  
b. the aqueous humor  
c. the cornea  
d. the fovea |
| 2. Visible light is usually created when                                  | a. electrons move into or out of atomic energy states  
b. electric fields interact with metals  
c. protons move at very high speeds through space  
d. current flows through a wire |
| 3. When light travels from air to water, the angle of refraction will be  | a. greater than  
b. less than  
c. same as |
| 4. Presbyopia is a condition of farsightedness that occurs because of     | a. old age  
b. a torn optic nerve.  
c. an eyeball that is elongated  
d. a cloudy cornea |
| 5. A person diagnosed with nearsightedness or myopia                      | a. cannot see distant objects  
b. cannot distinguish colors  
c. cannot see nearby objects  
d. cannot focus at all |
| 6. Which of these is the sensory layer of the eye?                        | a. retina  
b. cornea  
c. vitreous humor  
d. iris |
| 7. Which of these electromagnetic waves has the highest energy?           | a. blue light  
b. ultraviolet light  
c. radio waves  
d. gamma-rays |
| 8. As light moves from air to glass, the speed of the light               | a. increases  
b. decreases  
c. stays the same |
| 9. A convex lens is shown. Is this a converging or diverging lens?        | a. converging  
b. diverging  
c. neither |
| 10. Light is a(n) ________ with both ________ and ________                | a. wave; frequency; wavelength  
b. energy; force; temperature  
c. particle; mass; velocity  
d. compression; high; low pressures |
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Answer Section

MULTIPLE CHOICE

1. ANS: C  PTS: 1  REF: S15
2. ANS: A  PTS: 1  REF: S15
3. ANS: B  PTS: 1  REF: S15
4. ANS: A  PTS: 1  REF: S15
5. ANS: A  PTS: 1  REF: S15
6. ANS: A  PTS: 1  REF: S15
7. ANS: D  PTS: 1  REF: S15
8. ANS: B  PTS: 1  REF: S15
9. ANS: A  PTS: 1  REF: S15
10. ANS: A  PTS: 1  REF: S15