Name: ________________________

Reading Quiz #6, Chapter 6

Multiple Choice
Identify the choice that best completes the statement or answers the question.

1. There are no rods or cones at this part of the eye. It is a “blind “spot.”
   a. (5)
   b. (6)
   c. (7)

2. The focal length is equal to___.
   I. ½ the center of curvature
   II. The point where parallel rays focus
   III. The center of curvature
   a. I
   b. II
   c. I &II
   d. II & III
   e. III

3. A negative image distance means the image is:
   a. inverted
   b. real
   c. virtual
   d. imaginary
   e. smaller than the object

4. To correct your vision, the optometrist prescribes convex lenses with a strength of 2 diopters. At what point do these lens focus light?
   a. 0.5 m
   b. 0.25 m
   c. 2 m
   d. 1.5 m

5. Which of these is the sensory layer of the eye?
   a. iris
   b. cornea
   c. retina
   d. vitreous humor

6. What type of lens is this?
   a. concave
   b. convex
   c. plano-concave
   d. plano-convex

7. Light can be described as which of these?
   a. A magnetic wave
   b. An electric wave
   c. A longitudinal wave
   d. Both A & B
   e. A, B, & C

8. What is the proper order of these types of radiation, in order from smallest to biggest energy?
   gamma rays
   infrared
   microwaves
   ultraviolet
   a. gamma rays, infrared, microwaves, ultraviolet
   b. microwaves, infrared, ultraviolet, gamma rays
   c. infrared, microwaves, ultraviolet, gamma rays
   d. infrared, ultraviolet, microwaves, gamma rays

9. Visible light is usually created when
   a. electrons move into or out of atomic energy states
   b. protons move at very high speeds through space
   c. electric fields interact with metals
   d. current flows through a wire

10. When light travels from a vacuum to a medium it, necessarily, does which of these?
    a. slows down
    b. bends
    c. speeds up
    d. travels straight
Reading Quiz #6, Chapter 6
Answer Section

MULTIPLE CHOICE

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