Assessment

Quiz

Section: Refraction, Lenses, and Prisms

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

_____ 1. When light moves from a material in which its speed is higher to one in which its speed is lower, the ray is
   a. bent away from the normal.
   b. bent toward the normal.
   c. converged.
   d. diverged.

_____ 2. A mirage is caused by
   a. dispersing light.
   b. converging light.
   c. diverging light.
   d. refracting light.

_____ 3. Light entering the eye is focused to produce an image on the
   a. iris.
   b. cornea.
   c. retina.
   d. optic nerve.

_____ 4. A prism separates white light into different colors through a process called
   a. dispersion.
   b. magnification.
   c. convergence.
   d. divergence.

In the space provided, write the letter of the term or phrase that best matches each description.

_____ 5. the increase of an object’s apparent size by using lenses or mirrors
   a. refraction
   b. prism
   c. convergent lens
   d. divergent lens
   e. magnification
   f. lens

_____ 6. consists of two or more plane surfaces of a transparent solid at an angle with each other

_____ 7. a transparent object that refracts light waves such that they converge or diverge to create an image

_____ 8. a lens that bends light waves inward

_____ 9. bending of light when crossing between mediums

_____ 10. a lens refracting light waves so that they bend outward