



Assessment

Multiple Choice. Choose the letter of the best answer. Write the chosen letter on a separate sheet of paper.

1. What can be said of the image formed in the bulging reflecting surface of a spoon?
 - a. Virtual upright, and larger than the object
 - b. Virtual, inverted, and larger than the object
 - c. Virtual, upright and smaller than the object
 - d. Virtual, inverted, and smaller than the object
2. Where should the object be positioned to have a smaller and inverted image in a concave mirror?
 - a. At the focus
 - b. At the center of curvature
 - c. Beyond the center of curvature
 - d. Between the curvature and focus
3. When you see a "wet spot" mirage on the road in front of you, what are you most likely seeing?
 - a. Sky
 - b. Hot air
 - c. Water
 - d. Fragment of your imagination
4. White light goes through a filter that can absorb blue light; what color of light can pass through as perceived by an observer?
 - a. Blue
 - b. Green
 - c. Red
 - d. Yellow
5. When green light shines on a red rose, why do the petals look black?
 - a. It absorbs green light
 - b. It reflects the color black
 - c. It reflects green light
 - d. It absorbs all the colors of light.
6. For you to see a rainbow, where should the sun be positioned?
 - a. In front of you
 - b. On your left side
 - c. Behind you
 - d. On your right side
7. Which is scattered by very small particles present in the atmosphere?
 - a. All wavelengths of light
 - b. Medium wavelength of light
 - c. Smaller wavelength of light
 - d. Larger wavelength of light
8. Which explains why the sky is blue?
 - a. Blue light is not easily scattered by the atmosphere
 - b. Blue light is not easily absorbed by the atmosphere
 - c. Air molecules scatter blue light more readily than other colors
 - d. Blue light is reflected off the world's oceans into the atmosphere
9. Which explains why sunsets are red?
 - a. Air molecules scatter red light more readily than others
 - b. Red light is of shorter wavelength than other colors of light
 - c. Red light survives the absorption of the particles in the atmosphere
 - d. Red light is scattered the least and is transmitted the most in the atmosphere
10. What do you call the colored spots of light that developed due to the refraction of light through ice crystals?
 - a. Halo
 - b. Sundog
 - c. Sunspot
 - d. Rainbow