Survey Questions for Light Unit Grade 5

Year 1

Date:

School District:
Coop/Center Location:
Grade Level: Years of Teaching
I have participated in the Science training for: 1 2 3 years
Based on the following criteria, please rate your training sessions by selecting the number that best corresponds with your assessment of the experience.

1= 2 3 4 5=
Poor excellent

1. Rate your understanding of best practices and how it relates to teaching science.

2. I am adequately prepared to deliver instruction from this training to my students.

3. Rate your understanding of the 7E model.

4. Rate your ability to apply the 7E model to science instruction.

5. Rate your understanding of inquiry-based science instruction.

6. Rate your understanding of how light can interact with *matter* through a*bsorption*, *refraction*, and *reflection.*

7. Rate your understanding of how light travels and interacts with an object or material.

8. Rate your understanding of how to conduct investigations of transparent, *translucent*, and *opaque* as applied to light.

9. Rate your understanding of how to investigate physical interactions of light and *matter.*

10. The bouncing of a light ray from a boundary in a straight line is:

a. absorption
b. reflection
c. refraction
d. scattering

11. List the colors of in the visible spectrum (rainbows) in order.

a. green, orange, yellow, red, blue, indigo, violet
b. red, orange, yellow, green, blue, indigo, violet
c. red, violet, yellow, green, orange, blue, indigo
d. orange, green, blue, indigo, violet, red, yellow

12. Matter that does not allow light to pass through is described as:

a. opaque
b. transparent
c. translucent
d. dark

13. The bouncing of a light ray from a boundary in lots of different directions is:

a. absorption
b. reflection
c. refraction
d. scattering

14. Matter that allows, some but not all, of the light that hits it to pass through it is described as:

a. opaque
b. transparent
c. translucent
d. dark

15. When you are outside a sunny summer day your skin feels warm and begins to turn brown. Which one of lights properties is causing your skin to warm?

a. absorption
b. reflection
c. refraction
d. scattering

16. When measuring the effect of absorption of light on an object it is best to use which of the following tools:

    a. ruler
    b. protractor
    c. prism
    d. thermometer

17. To separate white light into the color spectrum, use a:

    a. ruler
    b. protractor
    c. prism
    d. thermometer

18. As light moves from a dense medium to a less dense medium it:

    a. speeds up
    b. slows down
    c. remains constant
    d. stops

19. Separating white light into color demonstrates which of the following properties of light:

    a. absorption
    b. reflection
    c. refraction
    d. scattering