

Light Quiz Buzzards B

Total questions: 20

Worksheet time: 10mins

Instructor name: Mrs. Laura Braun

Name

Class

Date

1. What do we call an object that makes its own light?
 - a) Reflector
 - b) Light source
 - c) Opaque object
 - d) Transparent object

2. Which term describes an object that does not let any light pass through it?
 - a) Translucent
 - b) Opaque
 - c) Transparent
 - d) Reflective

3. What is a periscope used for?
 - a) To bend light rays
 - b) To separate light into different colors
 - c) To see things around a corner
 - d) To measure light intensity

4. What does a prism do to light?
 - a) Reflects it
 - b) Separates it into different colors
 - c) Bends it
 - d) Absorbs it

5. What happens when light bounces off a surface?
 - a) Absorption
 - b) Refraction
 - c) Reflection
 - d) Transmission

6. What is the term for when light bends as it passes from one medium to another?
 - a) Absorption
 - b) Diffusion
 - c) Refraction
 - d) Reflection

7. What is a shadow?
- a) A reflection of light
 - b) A bending of light
 - c) A scattering of light
 - d) An area of darkness where light has been blocked
8. Which term describes an object that lets some light through but scatters it?
- a) Reflective
 - b) Transparent
 - c) Opaque
 - d) Translucent
9. What is the visible spectrum?
- a) Light that is reflected by objects
 - b) Light that is invisible to the human eyes
 - c) Light that is absorbed by objects
 - d) Light that is visible to the human eyes
10. How does light travel?
- a) In a zigzag pattern
 - b) In a random pattern
 - c) In a circular motion
 - d) In a straight line
11. What does the law of reflection state?
- a) The angle of incidence is less than the angle of reflection
 - b) The angle of incidence is greater than the angle of reflection
 - c) The angle of incidence is unrelated to the angle of reflection
 - d) The angle of incidence is equal to the angle of reflection
12. Why is a shadow always the same shape as the object that casts it?
- a) Because an opaque object blocks the light rays
 - b) Because light passes through the object
 - c) Because light bends around the object
 - d) Because light reflects off the object
13. Who was the first to discover the light spectrum?
- a) Isaac Newton
 - b) Albert Einstein
 - c) Galileo Galilei
 - d) Thomas Edison

14. What did Isaac Newton use to understand the rainbow?

- a) A lens
- b) A telescope
- c) A prism
- d) A mirror

15. Which of the following is NOT a color in the light spectrum discovered by Newton?

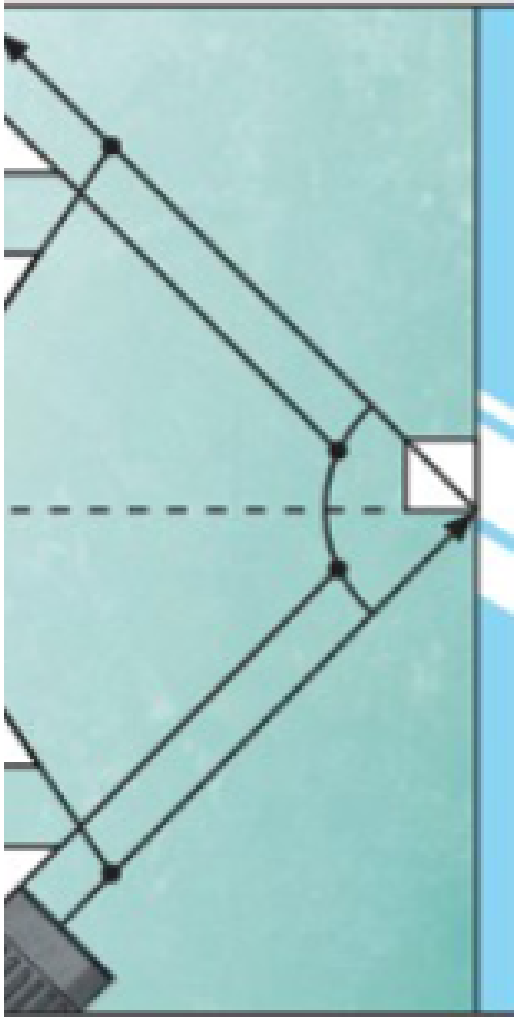
- a) Indigo
- b) Red
- c) Pink
- d) Orange



16.

What happens to light when it moves from air to water?

- a) It bends
- b) It speeds up
- c) It changes color
- d) It disappears



17.

What is the angle between the normal line and the reflected ray called?

- a) Angle of deviation
- b) Angle of reflection
- c) Angle of refraction
- d) Angle of incidence

18. What does the law of reflection state?

- a) The angle of incidence is equal to the angle of reflection
- b) The angle of incidence is less than the angle of reflection
- c) The angle of incidence is greater than the angle of reflection
- d) The angle of incidence is unrelated to the angle of reflection

19. What does the term "hypothesis" mean?

- a) Changing things
- b) To explain what you think something is
- c) An idea that you think is true that you have some proof about
- d) An idea

20. What does the term "investigate" mean?

a) To explain what you think something is

b) An idea

c) Changing things

d) To find out what something is or why something happens by testing out ideas