

Name: _____
 Period: _____

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Nonluminescent Light: Optics

Total Internal Reflection

Light usually travels through clear transparent materials in a straight line, but the incident angle with which the material is bent, can cause light to reflect back into the material. This occurs when the angle of incidence is greater than 90° .



Fiber Optics



Light travels down light through fiber optic plastic polymer optical fibers. Fibers carry the light following light as it reflects off the walls of the fiber.

Light travels a path, by total internal reflection.



Light travels a path, by total internal reflection.



Light travels a path, by total internal reflection. Light travels a path, by total internal reflection. Light travels a path, by total internal reflection.

Incandescent Light

Incandescent lights are the most common type of light. The filament glows bright when electricity flows through it.

Incandescent light is very inefficient because almost all the energy is lost as heat.



Incandescent Light Bulb

Types of Light

Fluorescent Light



Fluorescent Light Tube

Fluorescent lights are more efficient than incandescent lights. They use the energy of an incandescent bulb to create light.

Fluorescent lights are more efficient than incandescent lights. They use the energy of an incandescent bulb to create light.

Light has a wavelength and frequency. The wavelength of light is the distance between two peaks.

Visible light is the only part of the electromagnetic spectrum that we can see. It is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow.



Fluorescent lights are more efficient than incandescent lights. They use the energy of an incandescent bulb to create light.



Light in the Dark

Light is the only part of the electromagnetic spectrum that we can see. It is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow.



Light source emits light rays, which travel in all directions.

Light

Light - part of the electromagnetic spectrum

How Light Works

Light is the only part of the electromagnetic spectrum that we can see. It is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow.



Light source emits light rays, which travel in all directions.

Why the Sun is Hot

Light is the only part of the electromagnetic spectrum that we can see. It is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow.

Light is the only part of the electromagnetic spectrum that we can see. It is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow. Light is made up of all the colors of the rainbow.

Miscellaneous Light Topics Answers

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