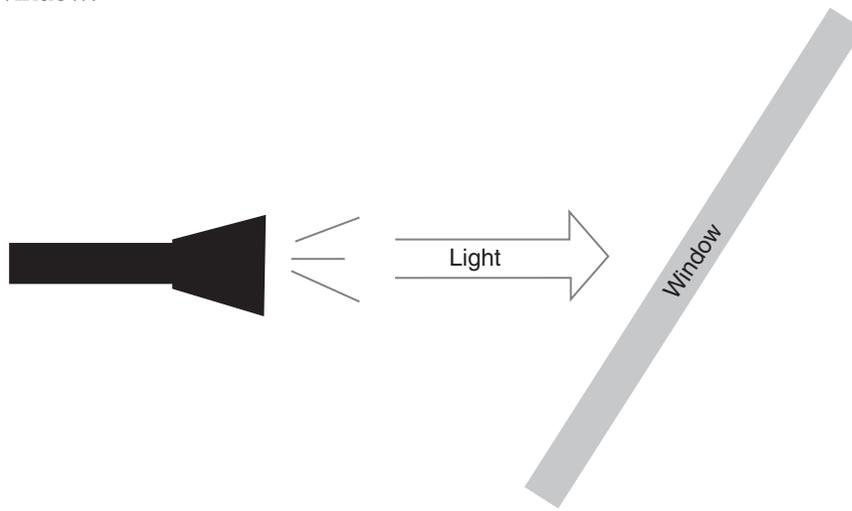


Checkout Questions

Lab 21. Light and Information Transfer

How Does the Type of Material Affect the Amount of Light That Is Lost When Light Waves Travel Down a Tube?

1. A student shines a flashlight on a glass window from across the room. Using arrows, draw the different paths that the beam of light might take when they reach the window.



Explain why you drew the arrows in those directions.

2. Two engineers are trying to decide how to send information signals and messages between two different locations. One engineer wants to use electrical cables to send the signals and messages because that technique has been used for a very long time. The other engineer wants to use fiber optic cables and the newer technique of sending signals and messages with light. Compare and contrast the two approaches, and make a recommendation to the engineers on which approach they should take to send their signals and messages.

3. Current events influence the research that scientist do.

- a. I agree with this statement.
- b. I disagree with this statement.

Explain your answer, using an example from your investigation on light and information transfer.

