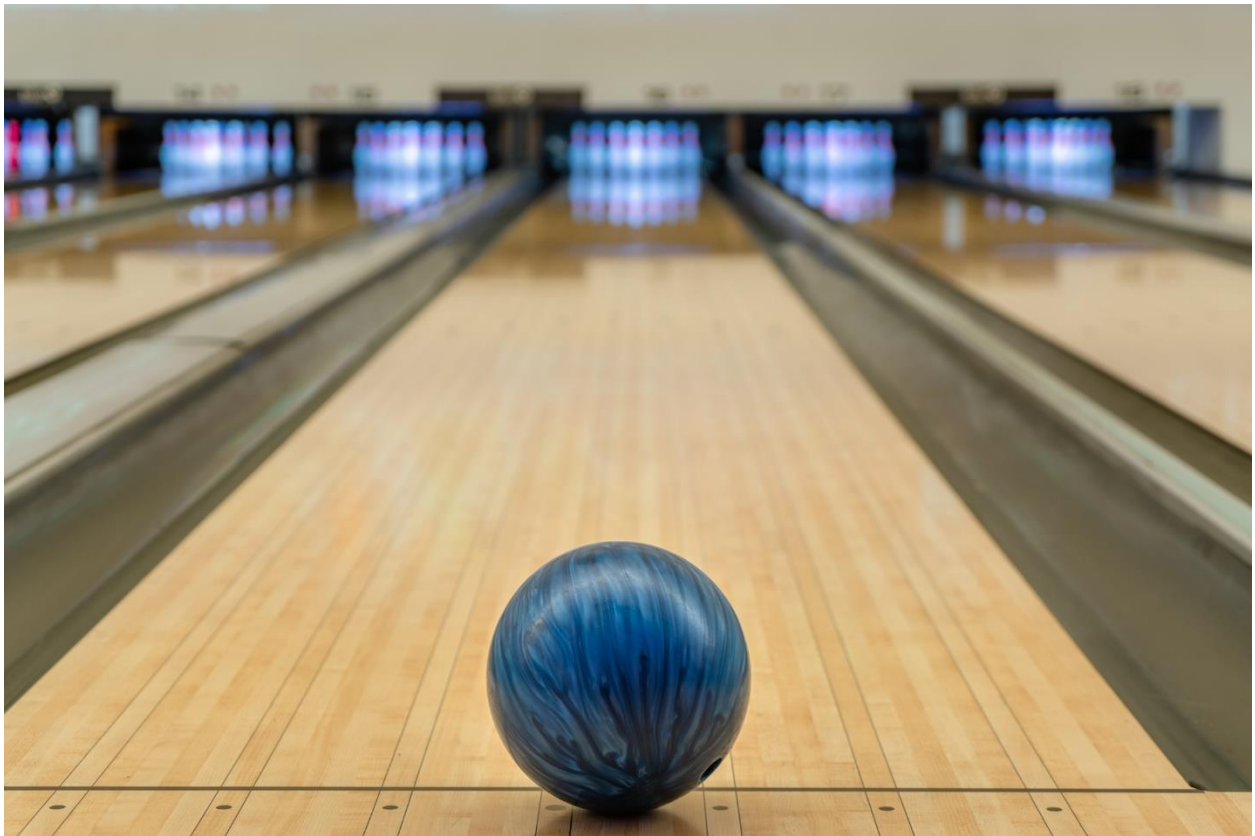








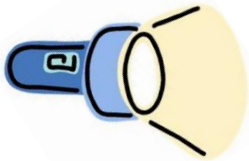




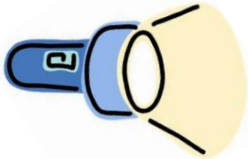
Light Waves Student Sheet

How Do Light Waves Travel?

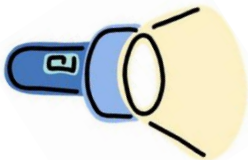
What are your observations after shining the flashlight toward the target?



What did you notice when you held the cardboard tubes up to the flashlight?



What are your observations after you bent the cardboard tubes?



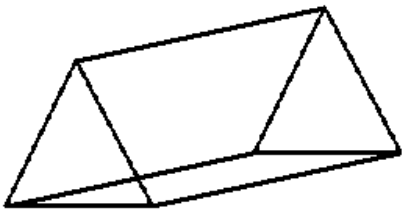
What Happens When Light Hits Objects?

Describe the difference in your reflection when you looked in the regular mirror and the convex mirror.



Can white light be broken into different colors?

Draw your observations. Include light entering the prism and the light exiting the prism. Label your diagram with as much detail as possible.



What happens when I use colored filters?

Indicate what color block/ball you see for each color combination. Make sure you look at the ball in a darkened room.

	Filter Color		
Block/Ball Color	Red	Green	Blue
Red			
Green			
Blue			

What conclusions can you draw about the use of a filter with the ball of the same color?

Explain what you observed when you used the filters with objects that were:

A single color:

Multiple colors in the same object:

White paper:

Black paper: