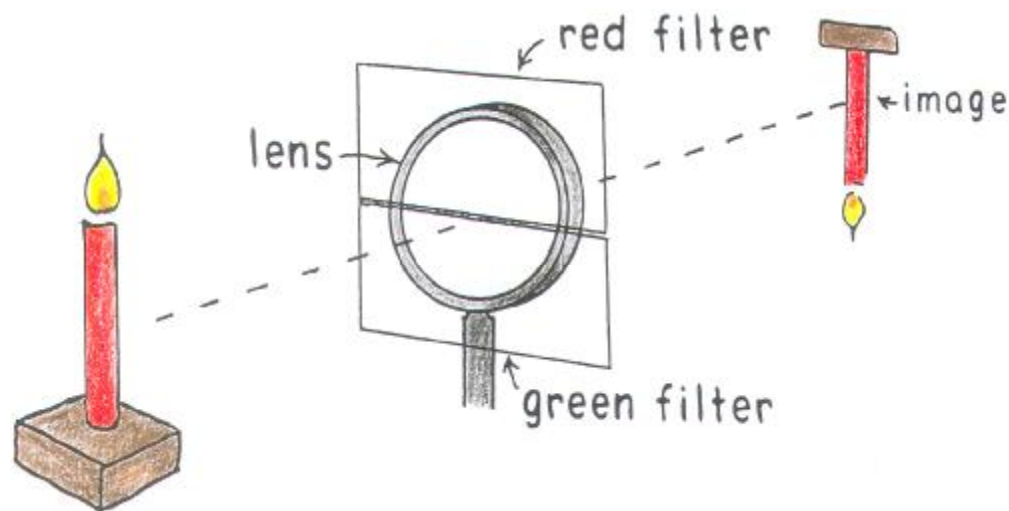


# NEXT-TIME QUESTION

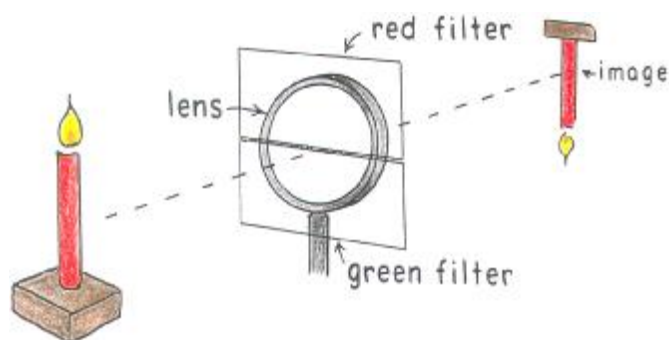
The lens projects an image of the white candle on the wall. How will the image differ if the top half of the lens is covered with a red filter and the bottom half with a green filter?



thanx to Dick Heckathorn

# NEXT-TIME QUESTION

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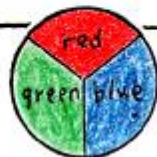
**Answer:**

The image of the candle will be yellow. Each and every part of the image on the wall is formed from light that passes through each and every part of the lens. The red and green will simply overlap and average to be yellow.

What happens if the green filter is blocked so no light gets through the bottom half?



If you instead cover each third of the lens with a red, a green, and a blue filter, will the image appear white? What happens if the red is blocked? The green? Or the blue? A nice color-addition demo!



Hewitt  
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