Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Color Addition

For all questions, assume the colors of light described are aimed on a white screen.

1. The color of light is determined by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the EM wave.
2. Red and green light in equal intensities produce\_\_\_\_\_\_\_\_\_\_\_\_\_ light.
3. Green and blue light in equal intensities produce\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_light.
4. Red and blue light in equal intensities produce \_\_\_\_\_\_\_\_\_\_\_\_\_ light.
5. Red, blue and green light in equal intensities produce \_\_\_\_\_\_\_\_\_\_\_\_ light.
6. Red and cyan light in equal intensities produce \_\_\_\_\_\_\_\_\_\_\_\_\_ light.
7. Yellow and \_\_\_\_\_\_\_\_\_\_ light in equal intensities produce white light.
8. Magenta and yellow light in equal intensities will make the screen look\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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