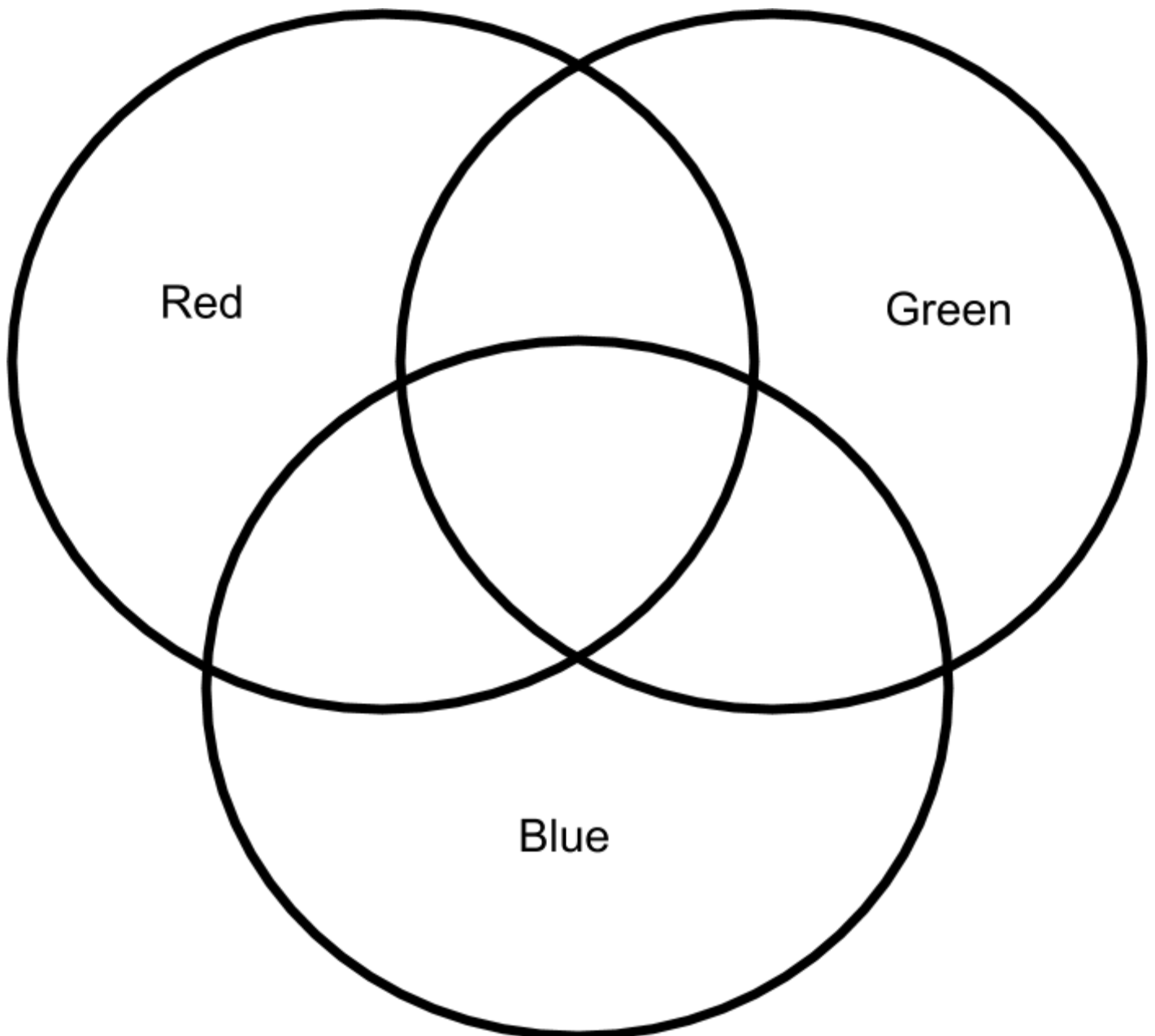




## Fun With the Color Mixing of Light

**Directions:** Use the Color Vision simulator by PhET (available online at [bit.ly/colormathematics](http://bit.ly/colormathematics)) to complete the following mixes with the colors of light to fill in the empty spots on the color model below. When you go to the simulation page, choose the RGB Bulb option. Next, fully mix two colors at a time (e.g., green + red) to find out what color is seen when they combine. Then, mix all three together fully to see what happens. Fill in the spaces below as you learn! Last, try mixing different amounts of each color of light to find out what happens!





## Fun With the Color Mixing of Light

**Answers:** The color model below shows how the three primary colors of light: red, green, and blue, can add together to create secondary colors of light. Add them all together equally, and you get white! Change the amounts of each color you mix together and you'll get an in-between shade. Using crayons, markers, or colored pencils, color in the color model below to visualize the color mixing of light!

