

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

## Light Blender

1. Do Steps 1–6 of the Task Card. What color light does each flashlight make on the paper?

red filter: \_\_\_\_\_

blue filter: \_\_\_\_\_

green filter: \_\_\_\_\_

2. **Predict:** What will you see when you overlap these colored light beams?

Mix these colors	Resulting color	Intensity (circle one)
blue + red		brighter light / darker light / the same
red + green		brighter light / darker light / the same
green + blue		brighter light / darker light / the same
green + blue + red		brighter light / darker light / the same

3. Test your predictions. Record your results below.

Mix these colors	Resulting color	Intensity (circle one)
blue + red		brighter light / darker light / the same
red + green		brighter light / darker light / the same
green + blue		brighter light / darker light / the same
green + blue + red		brighter light / darker light / the same

4. Do Step 9 of the Task Card. What colors do you see? Explain what is happening.

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