

PsychSim 5: COLORFUL WORLD

Name: _____ Section: _____

Date: _____

In this activity you will explore the principles of color vision, and will demonstrate some aspects of color sensation with your own eyes.

The Sensation of Color

- Name and briefly describe the three sensations of color.

1.

2.

3.

Mixing Colored Lights: Additive Mixing

- What color appears when you combine all three lights?

Mixing Colored Pigments: Subtractive Mixing

- What color appears when you combine all three pigments?

Altering Color Sensation

- If you stare at a red patch and then look at a red apple, will your experience of the “redness” of the apple be stronger or weaker? Why?

Conclusion

- Explain how the two main theories of color perception, initially appearing to contradict each other, are, in fact, complementary perspectives.