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.