**Psych-Sim Online: Colorful World**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Course/Section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Instructor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Trichromatic Theory**

Watch this video: <https://www.youtube.com/watch?v=poL7nDmqjmk>

1. What color appears when you combine all wavelengths?
2. What 3 colors do the 3 cones respond to the best?
3. Which color has the longest wavelength and which color has the shortest?
4. How are other colors formed that do not have their own wavelength?

**Opponent Process Theory**Watch this video: <https://www.youtube.com/watch?v=GiBKYNWllcs>

1. What color would an individual see after staring at red for a period of time?

1. What is Chromatic Adaptation?
2. Explain how the two main theories of color perception, initially appearing to contradict each other, are, in fact, complementary perspectives.