**Virtual Lab: Color & Light**

1. What is the effect of colored lighting on the orchestra in the video?

2. When all of the lights are turned on, what does the color of the dog indicate about the colors of the lights?

3. State the problem you are trying to solve in this lab.

4. Make a hypothesis about the color of each of the lights.

Data Collection:

|  |  |
| --- | --- |
| Light Source(s) On | Visible Color |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

5. Describe the results of your test. How did you determine the color of each light? Was your hypothesis correct?

6. What occurs when red, blue, and green lights are mixed in different ways?

Read pages 368 – 377 in your textbook and answer questions 1-12.