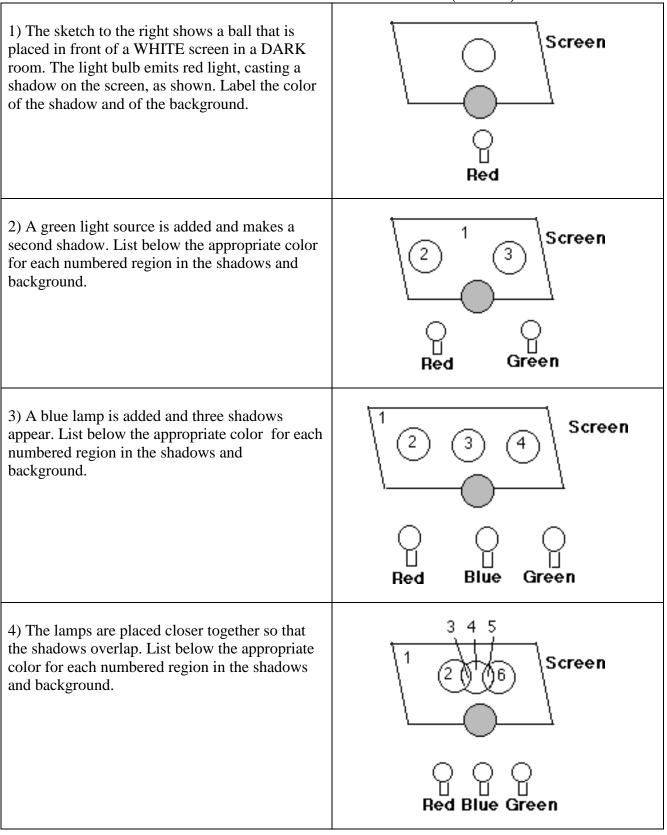
## AP Wave Model: Color Demo (WS 6)



- 5. What color(s) of light does a blue glass bottle transmit? What color(s) does it absorb?
- 6. How do you think the health of a plant would be affected if it only received green light? Why?
- 7. What are complementary colors?
- 8. What is the complement of green light?
- 9. What colors of ink do color ink-jet printers use to produce the colors you see? Are the inks single suckers or double suckers? Why?
- COLORS OF OBJECTS: The "color" of an object depends on what colors of light it reflects out of the colors of light striking it. For example, if an object reflects red and orange light, then it would look reddish-orange under white light. But under blue light it would look black.
- 10. What color would a "white" shirt appear to be for each of the following colors of light shining on it?

red : \_\_\_\_\_\_ green: \_\_\_\_\_\_ blue : \_\_\_\_\_\_ white : \_\_\_\_\_

11. What color would a "red" shirt appear to be for each of the following colors of light shining on it?

red : \_\_\_\_\_\_ green: \_\_\_\_\_\_ blue : \_\_\_\_\_ white : \_\_\_\_\_

- 12. What color would a "green" shirt appear to be for each of the following colors of light shining on it?red : \_\_\_\_\_\_ green: \_\_\_\_\_ blue : \_\_\_\_\_ white : \_\_\_\_\_\_
- 13. What color would a "magenta" shirt appear to be for each of the following colors of light shining on it?red : \_\_\_\_\_\_ green: \_\_\_\_\_ blue : \_\_\_\_\_ white : \_\_\_\_\_\_
  - red : \_\_\_\_\_\_ green: \_\_\_\_\_\_ blue : \_\_\_\_\_ white : \_\_\_\_\_
- 14. What color would a "yellow" shirt appear to be for each of the following colors of light shining on it?red : \_\_\_\_\_\_ green: \_\_\_\_\_ blue : \_\_\_\_\_ white : \_\_\_\_\_\_

icu : \_\_\_\_\_\_ green: \_\_\_\_\_\_ orde : \_\_\_\_\_\_ write : \_\_\_\_\_

15. What color would a "black" shirt appear to be for each of the following colors of light shining on it?
red : \_\_\_\_\_\_ green: \_\_\_\_\_\_ blue : \_\_\_\_\_ white : \_\_\_\_\_\_