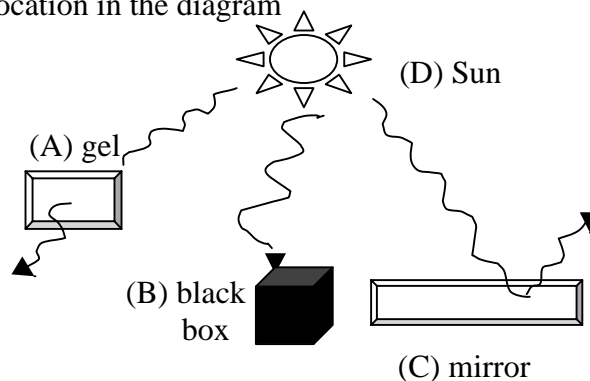


1.4 Teacher Answer Key—Learning about Infrared Light

Directions: Write all of your answers on this answer sheet. Do NOT Write on the test.

Matching: Below is a diagram. Mark your answer on the answer sheet, not on the test. Circle the letter that corresponds to the question items location in the diagram

- | | | | | |
|-------------------------|----------|----------|----------|----------|
| 1. Reflection | A | B | <u>C</u> | D |
| 2. Partial Transmission | <u>A</u> | B | C | D |
| 3. Absorption | A | <u>B</u> | C | D |
| 4. Emission | A | B | C | <u>D</u> |



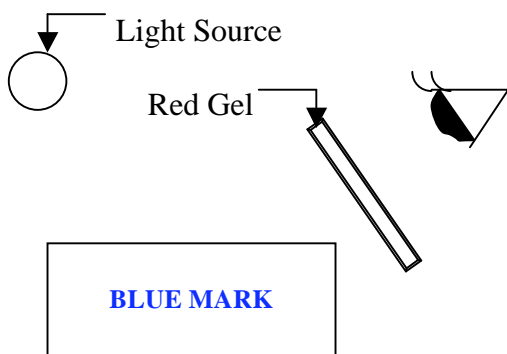
Multiple Choice: Circle the letter of the one best answer for each question.

- | | | | | |
|----|---|----------|----------|----------|
| 5. | A | B | <u>C</u> | D |
| 6. | A | B | <u>C</u> | D |
| 7. | A | <u>B</u> | C | D |
| 8. | A | B | C | <u>D</u> |
| 9. | A | <u>B</u> | C | D |
| 10 | A | B | C | <u>D</u> |

Short Answer: Answer all parts of the questions in the spaces provided on the answer sheet. You do not have to answer in complete sentences.

11. gamma, x-ray, ultra-violet light, visible light, infrared light, microwave, radio

12. Explain what color the viewer observes. You may also use a few sentences to clarify your answer.



Through the red gel, the student will only be able to see the blue mark. The red filter absorbs the blue light that is reflected by the blue mark. Therefore, no light reaches the eye from the mark, the blue will appear black.