

LAB: WHAT'S IN SMOKE?

Name _____ per _____ Date _____

I. Question: What can be observed from smoke?

II. Materials: Ring Stand, candle, 4" square piece of aluminum foil

III. Procedure: Place the foil on top of the ring on the stand. Position the foil over a burning candle so that the emissions come in contact with it. Draw and label the set up below.

IV. Data:

1. Describe what you see coming from the burning candle.

2. Describe the color and odor. _____

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3. Describe what you feel being released from the candle. _____

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4. Blow the candle out and let the foil cool. Describe what you see on the underside of the foil. _____

5. Use a swab and put a sample of the carbon soot in this box.



V. Analysis:

6. What caused the candle wax to change into carbon? _____

7. Was this a physical or chemical change? _____

VI. Conclusions:

8. What would happen inside the lungs if smoke was inhaled? _____

9. What damage could heat cause to the air passages? _____

10. What are 3 health problems associated with smoking?
1. _____
 2. _____
 3. _____
11. What are three dangerous chemicals found in smoking?
1. _____
 2. _____
 3. _____