

Activity 5A: The Nature of a Burning Candle

Name: _____

Partner: _____

Date: _____

Purpose:

Methods and Materials:

Observations:

Table 1. Observations for the unlit candle.

States of Matter	Mass of candle (g)	Length of candle (cm)

Table 2. Observations for the burning candle.

1. How many states of matter do you see?	Lit match in the smoke above the candle.
2. Where does the burning take place?	Length of candle (cm)
3. What is actually burning?	Mass of candle (g)
4.	Hold copper wire above the flame.
5.	Coil of copper over the tip of the flame.
6.	Cobalt chloride strip in water.
7.	Inside of flask with cobalt chloride strip.
8.	Flask over lit candle in 1.0cm of water.
9.	Limewater in flask with rubber stopper.
10.	

(Staple your answers to the assigned questions and your conclusion to this page)

Do questions: "Analysis" c, d, e, f, h, i.