Use your notes and candle lab observations from Episode 101 as you answer the following questions.

**Observations vs. Conclusions**
In most labs, you will make observations and conclusions. What is the difference?

For each of the following statements, write “O” if it is an observation and “C” if it is a conclusion.

___1. The temperature outside is 95 °F.
___2. I see smoke coming from the engine so the car must be overheating.
___3. The eggs stink.
___4. The eggs are rotten.
___5. Vinegar tastes sour so it must be an acid.
___6. The coin is copper colored.
___7. Because it is copper-colored, the coin is a penny.
___8. It looks like it is going to rain.

Now, write two observations and two conclusions of your own.

Do you understand what happens when a candle burns? Answer the following questions as best you can, using your general knowledge.

What is produced when a candle burns?

What is necessary for a candle to burn?

What is the purpose of the candle wick?

As a candle burns, it becomes shorter. Where does the wax go?