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

**Qualitative vs. Quantitative**
How are **quantitative** and **qualitative** observations different?

For each of the following statements, write “L” for qualitative and “N” for quantitative.

_____ 1. The box is brown.
_____ 2. The box is 12 cm long.
_____ 3. The box is empty.
_____ 4. The box has red words written on the side.
_____ 5. The box is 8 cm wide.
_____ 6. The box has a bumpy interior.
_____ 7. The box has a lid.
_____ 8. The box is 4 cm tall.

Now, write two qualitative observations and two quantitative observations of your own.

**Answer each of the following questions and explain based on what you observed in Episode 101.**

What is produced when a candle burns?

What is necessary for burning?

Where does the wax go as a candle burns?