

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?