

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?