$\qquad$ Period $\qquad$
Circle QL for qualitative observation (characteristic) and QT for quantitative observation (measurement). Be ready to discuss the reasons for your choices.

QT or QL 1. The candle is cylindrical in shape.
QT or QL 2. It is about $\qquad$ centimeters in diameter.
$\qquad$ centimeters.
3. The length is about

QT or QL 4. The length decreased during the observation period.
5. The amount of decrease was about $\qquad$ centimeters per half hour.
QT or QL 6. The candle is translucent.

QT or QL 7. It is white (or yellow, etc.).
QT or QL 8. It has a slight odor.

QT or QL 9. It has no distinct taste.
QT or QL 10. It is solid.
QT or QL 11. It is soft enough to be scratched with a fingernail.
QT or QL 12. A relatively thick string extends about $1-\mathrm{cm}$ from the upper end of the candle.
QT or QL 13. It is made of $\qquad$ (\#) strands of string braided/twisted together.

QT or QL 14. The string or wick ignites when a lighted match is held next to it for a few seconds.

QT or QL 15. The wick then burns continuously.
QT or QL 16. The burning candle makes no sound.
QT or QL 17. The burning candle remains cool while the wick burns.
QT or QL 18. It is warm near the top.
QT or QL 19. The candle material is softer around the top as it burns.

QT or QL 20. The flame flickers in response to air currents.
QT or QL 21. When the flame flickers, smoke comes from it.

QT or QL 22. When no currents disturb it, the flame is shaped like an elongated teardrop.
QT or QL 23. The flame begins about 1-cm above the top of the candle.
QT or QL 24. The flame is a shade of blue at its base.
QT or QL 25. Immediately around the wick in a region about $1-\mathrm{cm}$ wide and extending about $1-\mathrm{cm}$ above the top of the wick, the flame is dark.

QT or QL 26. This dark region is roughly conical in shape.

QT or QL 27. Around this zone and extending about 1-cm above the dark zone is a region which emits yellow light that is bright but not blinding.
QT or QL 28. The flame has sharply defined sides but a ragged top.
QT or QL 29. The wick is white where it emerges from the candle but is dark as if burnt from the base of the flame to within $2-\mathrm{mm}$ of the top.

QT or QL 30. The last 2-mm of the wick glows red.

