

1. The candle is **cylindrical** and has a **diameter** of about 3cm.

2. The length of the candle was initially 16 **centimeters** and it changed slowlyduring observation, decreasing about 1 cm in one **hour**.

3. The candle is made of a **translucent**, white solid which has a slight **odor** and no taste.

4. It is soft enough to be scratched with the **fingernail.**

5. There is a **wick** which extends from the top to the **bottom** of the candle.

6. Along its central **axis** and protrudes about 5 mm above the top of the candle.

7. The wick is made of three strands of string braided **together**.

8. A candle is lit by holding a **source** of flame close to the wick for a few seconds.

9. Thereafter the source of the flame can be removed and the flame sustains itself at the **wick.**

10. The burning candle makes no **sound**.

11. While burning, the body of the candle remains **cool** to the touch, except near the top.

12. Within about 1.5 cm of the top, the candle is **warm.** (but not hot) and sufficiently soft to **mold** easily.

13. The flame flickers in response to air **currents** and tends to become quite smoky while **flickering** in the absence of air currents, the flame is of the form shown in the photograph though it retains some movement at all times.

14. The flame begins about **2 mm** above the top of thecandleand at itsbase the flame has a blue **tint.**

15. Immediately around the wick there is a region about 2 mm wide and extending about 5 mm above the top of the **wick**, the flame is **dark.**

16. The dark region emits a yellow **light**. It’s bright, but not **blinding**.

17. The flame has rather sharply defined **sides**, but a ragged **top**.

18. The wick is **white** where it emerges from the candle, but from the base of the flame to the end of the wick it is **black**, appearing burnt, except for the last 0.5cm, where it glows **red**.

19. The wick **curls** over about **3mm** from its end.

20. As the candle becomes shorter, the wick **shortens** too, so as to extend roughly a constant length above the top of the **candle**.

21. Heat is **emitted** by the flame enough so that it becomes **uncomfortable** in 10 to 20 seconds if one holds his/her finger 10 cm to the side of the quiet flame or 10-12 cm above the flame.

1. The candle is **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and has a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** of about 3cm.

2. The length of the candle was initially 16 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and it changed \_\_\_\_\_\_\_\_\_\_\_ during observation, decreasing about 1 cm in one **­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

3. The candle is made of a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** white solid which has a slight **\_\_\_\_\_\_\_\_\_\_\_\_** and no taste.

4. It is soft enough to be scratched with the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

5. There is a \_\_\_\_\_\_\_\_\_\_\_\_ which extends from the top to the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** of the candle.

6. Along its central **\_\_\_\_\_\_\_\_\_\_\_\_\_** and protrudes about 5 mm above the top of the candle.

7. The wick is made of three strands of string braided **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

8. A candle is lit by holding a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** of flame close to the wick for a few seconds.

9. Thereafter the source of the flame can be removed and the flame sustains itself at the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

10. The burning candle makes no **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

11. While burning, the body of the candle remains \_\_\_\_\_\_\_ to the touch, except near the top.

12. Within about 1.5 cm of the top, the candle is **\_\_\_\_\_\_\_\_\_\_.** (but not hot) and sufficiently soft to \_\_\_\_\_\_\_\_\_\_\_\_\_easily.

13. The flame flickers in response to air **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and tends to become quite smoky while **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** in the absence of air currents, the flame is of the form shown in the photograph though it retains some movement at all times**.**

14. The flame begins about \_\_\_\_\_\_\_\_\_\_\_\_ above the top of thecandleand at itsbase the flame has a blue **\_\_\_\_\_\_\_\_\_\_\_\_.**

15. Immediately around the wick there is a region about 2 mm wide and extending about 5 mm above the top of the **\_\_\_\_\_\_\_\_\_\_**, the flame is **\_\_\_\_\_\_\_\_\_\_\_\_.**

16. The dark region emits a yellow **\_\_\_\_\_\_\_\_\_\_\_\_.** It’s bright but not **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

17. The flame has rather sharply defined \_\_\_\_\_\_\_\_\_, but a ragged \_\_\_\_\_\_\_\_\_\_.

18. The wick is **\_\_\_\_\_\_\_\_\_\_\_\_** where it emerges from the candle, but from the base of the flame to the end of the wick it is **\_\_\_\_\_\_\_\_\_\_\_** appearing burnt, except for the last 0.5cm, where it glows **\_\_\_\_\_\_\_\_\_\_\_**.

19. The wick **\_\_\_\_\_\_\_\_\_\_\_** over about \_\_\_\_\_\_\_\_\_\_\_\_ from its end.

20. As the candle becomes shorter, the wick **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** too, so as to extend roughly a constant length above the top of the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

21. Heat is **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** by the flame enough so that it becomes **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** in 10 to 20 seconds if one holds his finger 10 cm to the side of the quiet flame or 10-12 cm above the flame.

**WORD BANK –** Print this list of words and cut the words apart. Pass out one word to each student. With their one word and the Fill in the Blank sheet in their hands, students walk around the room and “give one, get one” answer from other students to complete the fill in the blank.

**cylindrical** **diameter**

**centimeters** **hour**

**translucent odor**

**fingernail wick**

**bottom** **axis**

**together source**

**wick** **sound**

**cool** **warm**

**mold** **currents**

**flickering 2 mm**

**tint** **wick**

**dark light**

**blinding sides**

**top white**

**black** **red**

**curls** **3mm**

**shortens** **candle**

**emitted uncomfortable**

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