

COMBUSTION AND FLAME

Subtopic: Flame and structure of flame.

Section 1

1 Mark T for True or F for False.

1 a. Deposition of unburnt carbon particles are present in the non-luminous zone.

1 b. Least hot is the blue part of the flame.

2 Choose the correct answer.

Which of the following materials forms flame on burning?

- a) Candle b) Camphor c) Kerosene stove d) all of the above.

Section 2

3 Fill in the blanks.

Charcoal does not _____, so does not produce a _____.

4 Draw and Make a label on the diagram of a candle flame.



Section 3

Answer the questions in brief.

5. What is the colour of the flame?

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6. List the materials that forms a flame on burning.

7. List the materials that do not form a flame on burning.

8. Which zone of a flame does a goldsmith use for melting gold and silver? Why?

Section 4

Answer the questions in detail.

9. Explain about the concept of flames in detail with necessary examples.

COMBUSTION AND FLAME

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10. Explain about the structure of flames with necessary diagrams in detail.
