

# COMBUSTION AND FLAME

## Subtopic: Fuel and Fuel efficiency.

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### Section 1

1 Mark T for True or F for False.

1 a. Cow dung cake has lowest calorific value.

1 b. The gas which has higher calorific value is Hydrogen.

2 Choose the correct answer.

Which of the following statements are correct?

- a) Deforestation is due to burning of fuels.
- b) Acid rain causes harm to the surroundings.
- c) One cannot sleep in a room with burning coal fire in it.
- d) All of the above.

### Section 2

3 Fill in the blanks.

The calorific value of LPG is \_\_\_\_\_.

4 Give examples for each of the following.

4 a. solid fuel - \_\_\_\_\_.

4 b. liquid fuel - \_\_\_\_\_.

4 c. gaseous fuel - \_\_\_\_\_.

### Section 3

Answer the questions in brief.

5. Define the term 'Ideal fuel'.

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6. Define fuels. Give examples.

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7. What is called as the calorific value? Give its unit.

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8. What is called as global warming?

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### Section 4

Answer the questions in detail.

9. Explain about fuels, its types and its efficiency in detail.

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10. Explain in detail about how burning of fuels lead to harmful products.

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