



CHEMISTRY

BOOKS - PSEB

COMBUSTION AND FLAMES

Exercise

1. List conditions under which combustion can take place.



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2. Fill in the blanks. Burning of wood and coal causes..... Of air.



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3. Fill in the blanks. A liquid fuel ,used in homes is.....



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4. Fill in the blanks . Fuel must be heated to itsbefore it starts burning.



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5. Fire produced by oil cannot be controlled by.....



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6. Explain how the use CNG in automobiles has reduced pollution in our cities.



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7. Compare LPG and wood as fuels.



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8. Give reason : Water is not used to control fire involving electrical equipment.



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9. Give reason: LPG is better domestic fuel than wood .



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10. Give reason : Paper by itself catches fire easily whereas a piece of paper wrapped around an aluminium pipe does not,



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11. Make labelled diagram of candle flame.



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12. Name the unit in which calorific value of a fuel is expressed.



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13. Explain how CO_2 is able to control fires.





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14. It is difficult to burn a heap of green leaves but dry leaves catch fire easily. Explain.



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15. Which zone of a flame does a goldsmith use for melting gold and silver and why ?



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16. In an experiment 4.5 kg of a fuel was completely burnt. The heat produced was measured to be 180,000 KJ. Calculate the calorific value of a the fuel.



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17. Can the process of rusting be called combustion ? Discuss.



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18. Abida and Ramesh were doing an experiment in which water to be heated in a beaker. Abida kept the beaker near the wick in the yellow part of the candle flame. Ramesh kept the beaker in the outermost part of the flame. whose water will get heated in a shorter time?



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