

Answer the following questions :

- Q1. Define Fuel. Give examples of solid, liquid and gaseous fuels.
- Q2. Differentiate between combustible and non-combustible substances with two examples of each kind.
- Q3. Why does a candle stop burning when covered with a glass tumbler?
- Q4. How is spontaneous combustion different from explosion?
- Q5. Special care should be taken to store kerosene oil. Give reason.
- Q6. Why is L.P.G labelled as inflammable substance?
- Q7. How does water help to extinguish fire?
- Q8. Underline the substances which will produce flame on burning and why?
Charcoal, molten wax, paper, coal, mustard oil
- Q9. Draw a well labelled diagram of the flame of a candle and answer the following
- Q10. Calorific value of wood is approx. 17000-22000kj/kg. What does it mean?
- Q11. Why is it dangerous to burn coal in a closed room?
- Q12. Write any 4 characteristics of good fuel.
- Q13. Name the gases which lead to formation of acid rain.
- Q14. In an experiment 10 Kg of a fuel produced 200,000 KJ Of heat. Calculate the calorific value of the fuel.
- Q15. How does carbon dioxide help in firefighting?