

ATOMIC ENERGY EDUCATION SOCIETY
E-Learning Material

Class VIII

6.Combustion & Flame

Subject :Science

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QUESTION BANK

Module 3 of 3

1. What are the characteristics of good fuel?
2. What are the ill effects due to the increasing combustion of fuel?
3. Write any two ways in which we can conserve fossil fuels.
4. Why it is dangerous to burn coal in a closed room?
5. Differentiate between complete combustion and incomplete combustion.
6. What is calorific value of a fuel?
7. How is calorific value of a fuel expressed?
8. How is acid rain caused?
9. What are the ill effects of acid rain?
10. Why is CNG a better fuel to run vehicles?
11. What is global warming ?
12. What symptoms are observed when we inhale carbon monoxide ?
13. Which fuel would you prefer to use-coal or LPG? Give reasons
14. In an experiment 25 kg of a fuel was completely burnt. The heat produced was measured to be 190,000 kJ. Calculate the calorific value of the fuel.
15. What are fossil fuels? What are the harmful effects of burning fossil fuels?

Multiple Choice Questions

- Pick the odd one out
a) LPG b) Petrol c) Diesel d) Kerosene
- Any substance that undergoes combustion is called
a) Fuel b) Combustible substance c) both a and b d) none of these
- The requirements for combustion is/are
a) Fuel b) oxygen c) heat d) all of these
- Which substance gives heat and light after combustion?
a. Flame b.Fuel c. volatile substance d. None of these
- Burning of charcoal in a closed room will produces
a. Carbon dioxide b. Nitrogen dioxide c. Carbon monoxide d. All of these
- Ignition temperature is
a. Lowest temperature at catch fire b. Higher temperature at catch fire
c. Any temperature d. None of these
- Combustion is a
a. Chemical process b. Physical process
c. Both of these processes d. None of these processes
- The blue zone of flame is
a) least hot b)moderately hot c) hottest d) cold zone
- Bursting of crackers is an example of
a) Rapid combustion b) spontaneous combustion c) explosion d) all of these
- Burning fossil fuels lead to
a) Global warming b) acid rain c) air pollution d) all of these
- The following can't be used to extinguish electric fires

- a) Blanket b) water c) Carbon dioxide d) a,b and c

12. Goldsmiths use

- a) Innermost zone b) outermost zone c) blue zone d) either b or c

13. Choose the incorrect statement from the following. A good fuel is one which:

- (a) is readily available. (b) Produces a large amount of heat.
(c) Leaves behind many undesirable substances (d) burns easily in air at a moderate rate.

14. If a person's clothes catches fire, the best way to extinguish the fire is to:

- (a) throw water on the clothes. (b) Use fire extinguisher.
(c) Cover the person with a woolen blanket (d) cover the person with polythene Sheet.

15. The calorific value of a fuel is expressed in a unit called

- (a) kilojoules per litre (b) kilogram per milliliter
(c) kilojoules per gram (d) kilojoules per kilogram

16. On placing an inverted tumbler over a burning candle, the flame extinguishes after some time. This is because of non-availability of

- (a) oxygen (b) water vapours (c) carbon dioxide (d) wax

17. Choose the correct statement about inflammable substances from the following. They have:

- (a) Low ignition temperature and cannot catch fire easily
(b) High ignition temperature and can catch fire easily.
(c) Low ignition temperature and can catch fire easily.
(d) High ignition temperature and cannot catch fire easily.

18. Shyam was cooking potato curry on a chulha. To his surprise he observed that the copper vessel was getting blackened from outside. It may be due to:

- (a) proper combustion of fuel. (b) improper cooking of potato curry.
(c) improper combustion of the fuel. (d) burning of copper vessel.

19. In villages, people use wood as fuel because:

- (a) it is considered to be an ideal fuel. (b) of its easy availability and low cost.

(c) it is environment friendly.

(d) it catches fire easily.

20. Which one of the following is combustible?

a. Iron nail

b. Glass

c. Stone pieces

d. Paper
