



SCIENCE - MCQ'S

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Combustion & Flame - 25 Important Practice Questions

1. Which of the following gas extinguishes fire
 - (a) oxygen
 - (b) hydrogen
 - (c) carbon dioxide**
 - (d) nitrogen
2. Which of following does not produce flame on burning
 - (a) LPG
 - (b) charcoal**
 - (c) paper
 - (d) kerosene
3. Ignition temperature is the
 - (a) temperature at which a substance catches fire
 - (b) highest temperature at which a substance catches fire
 - (c) lowest temperature at which a substance catches fire**
 - (d) moderate temperature at which a substance catches fire
4. Which of them can be easily burnt with the help of a matchstick?
 - (a) wooden chips
 - (b) straw**
 - (c) wooden log
 - (d) all of them
5. Which of the following is best fuel for automobiles
 - (a) petrol
 - (b) CNG**
 - (c) diesel
 - (d) kerosene

6. Which of the following fuel produces ash on burning
- (a) wood
 - (b) LPG
 - (c) petrol
 - (d) diesel
7. Combustion that takes place at a very fast rate is called
- (a) rapid combustion
 - (b) spontaneous combustion
 - (c) explosion
 - (d) none of these
8. The hottest zone of candle flame is
- (a) outermost zone
 - (b) in memos zone
 - (c) middle zone
 - (d) all of these
9. Which of the following fuel has the highest calorific value
- (a) cow dung cake
 - (b) Wood
 - (c) coal
 - (d) Petrol
10. Heat and light produced in the sun is by
- (a) combustion
 - (b) nuclear reactions
 - (c) burning
 - (d) none of these
11. A chemical process in which a substance reacts with oxygen to give off heat is called
- (a) reduction
 - (b) evaporation
 - (c) combustion
 - (d) none of these
12. A matchstick does not catch fire on its own at room temperature because its
- (a) ignition temperature is more than room temperature
 - (b) ignition temperature is less than room temperature

- (c) ignition temperature is same as room temperature
(d) none of these
13. **Which poisonous gas is formed as a result of incomplete combustion?**
(a) **carbon monoxide**
(b) coal gas
(c) carbon dioxide
(d) nitrogen oxide
14. **The fuel which replaces use of diesel and petrol as fuels in automobiles is**
(a) LPG
(b) biogas
(c) **CNG**
(d) Petrol
15. **Which of the following give us pollution free environment on burning**
(a) wood
(b) kerosene
(c) cow dung cakes
(d) **biogas**
16. **Which of the following burns with flame**
(a) coal
(b) cow dung
(c) **candle**
(d) all of these
17. **Which of the following is smoke free fuel**
(a) wood
(b) **LPG**
(c) charcoal
(d) coal
18. **Coal mainly contains**
(a) **carbon**
(b) nitrogen and Sulphur
(c) carbon, hydrogen and nitrogen
(d) Sulphur
19. **Smoke contains**
(a) unburnt carbon particles

- (b) burnt carbon particles
(c) unburnt sulphur particles
(d) unburnt lead particles
20. The zone of a flame used by goldsmith for melting gold and silver is
(a) innermost zone
(b) middle zone
(c) outermost zone
(d) all of these
21. Which of the following substance is not combustible
(a) matchstick
(b) straw
(c) charcoal
(d) glass
22. The colour of the non-luminous zone is
(a) white
(b) yellow
(c) blue
(d) black
23. In which of the following conditions combustion takes place:
(a) the presence of a combustible substance
(b) the presence of air with sufficient amount of oxygen
(c) the temperature of combustible substance should be more than its ignition temperature
(d) all the above conditions are necessary
24. Which one of the following gases is used in combustion?
(a) Hydrogen
(b) Oxygen
(c) Nitrogen
(d) Carbon dioxide
25. Which is non-renewable source of energy?
(a) Natural gas
(b) Wind energy
(c) Tidal energy
(d) Mechanical energy

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