

Quiz 2 Fuels and their Characteristics

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Quiz

6. 1. A good fuel should possess which calorific value

1 point

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- a. High
- B. low
- C. Very Low
- D. Moderate

7. 2. Rate of combustion of fuels are

1 point

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- A. Very slow
- B. Slow
- C. Moderate
- D. Rapid

8. 3. The lowest temperature to which the fuel must be preheated so that it starts burning smoothly is called what temperature

1 point

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- A. Combustion
- B. Preheating
- C. Boiling point of fuel
- D. Ignition

9. 4. In which of the following produced smoke maximum

1 point

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- A. Gasoline
- B. Fuel oil
- C. Anthracite coal
- D. Diesel

10. 5. Which of the following gas has the highest calorific value

1 point

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- A. Coal gas
- B. Producer gas
- C. Blast furnace gas
- D. Carbon di oxide gas
- Other: _____

11. 6. The released heat energy measured with the help of

1 point

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- A. Energymeter
- B. Thermometer
- C. Anemometer
- D. Calorimeter

12. 7. What is the standard temperature and pressure of any fuel to measure the released energy while cooling 1 point

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- A. 25 degree temp and 1 atm pressure
- B. 0 degree temp and 2 atm pressure
- C. 25 degree temp and 1 atm pressure
- D. 25 degree temp and 2 atm pressure

13. 8. The constituent of natural gas is 1 point

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- A. Methane
- B. Ethane
- C. Propane
- D. Butane

14. 9. Bomb calorimeter is used to determine the calorific value of which fuels 1 point

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- A. Solid fuels
- B. Liquid fuels
- C. Both A and B
- D. None of the above

15. 10. Actual flame temperature is always lower than the Adiabatic flame temperature because 1 point

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- A.No possibility of obtaining complete combustion at high temperature
- B. Always loss of heat from the flame
- C. Both A and B
- D. Neither A nor B

16. 11. Burning of Bituminous coal 1 point

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- A.Ignites less easily than anthracite
- B. Burns with smoky yellow flame
- C. Generally coking
- D. All of the above

17. 12. Combustion reaction of fuels is a which type of reaction 1 point

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- A. Auto catalytic
- B. Exothermic
- C. Endothermic
- D. None of above

18. 13. High Temperature in gasification of coal favours

1 point

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- A. High production of CO₂
- B. Low production of CO₂
- C. High production of CO
- D. Both B and C

19. 14. Gross and net calorific value of a fuel will be the same

1 point

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- A. If its ash content is zero
- B. If its carbon content is very low
- C. If its hydrogen content is zero
- D. None of the above

20. 15. The antiknock property of the fuel depends on its

1 point

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- A. Self ignition temperature
- B. Molecular Structure
- C. Chemical composition
- D. All of the above

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