



SCIENCE
CH:4 Combustion and Flame

Name: _____

Date: _____

Class: VIII Sec: ____

Answer the Following:

1. Which chemical is used in the rubbing surface provided for matchsticks?
(a) Sulphur (b) Gold (c) Red phosphorus (d) White phosphorus
2. 'Firework' is an example of
(a) rapid combustion (b) explosion (c) spontaneous combustion (d) slow combustion
3. The calorific value of LPG is
(a) 50,000 kJ/kg (b) 55,000 kJ/kg (c) 1,50,000 kJ/kg (d) 6,000 kJ/kg
4. The substance which vapourises during burning gives _____.
5. Oxides of _____ and nitrogen cause acid rain.
6. Magnesium burns to change into _____.
7. The increase in amount of _____ gas in atmosphere results in global warming.
8. Why isn't hydrogen gas used as a domestic or industrial fuel, although it has a very high calorific value? State two reasons for the answer.
9. 6 kg of fuel was completely burnt for an experiment. The amount of heat energy was found to be 1,80,000 kJ. Calculate the calorific value of the fuel.
10. Leena wants to boil water quickly in a test tube. On observing the different zones of the flame, she is not able to decide which zone of the flame will be best for boiling water quickly. Help her in this activity.
11. Name the compounds present in smoke released by the vehicles and what happen if the smoke produces in an enormous amount?
12. People usually keep *Angethi*/burning coal in their closed rooms during winter season. Why is it advised to keep the door open?
13. Why is the use of diesel and petrol as fuels in automobiles being replaced by Compressed Natural Gas (CNG) in big cities?