

Name: _____ Date: _____

Combustion and Flame

Q1. Compare LPG and wood as fuels.

Ans.

Q2. What are the harmful effects of burning fuels?

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Ans. LPG and wood as fuels

- i. For centuries, wood was used as domestic and industrial fuel. But now it has been replaced by coal and other fuels like LPG.
- ii. LPG has much higher calorific value than wood, so it produces much more heat on burning than an equal mass of wood.
- iii. LPG burns without producing any smoke but burning of wood produces a lot of smoke which is very harmful for human beings.
- iv. LPG burns completely without leaving behind any solid residue but wood leaves behind a lot of ash on burning. Thus, LPG is a cleaner fuel compared to wood.
- v. LPG does not cause environmental problem but cutting of trees for wood leads to deforestation which is quite harmful to the environment.

Q2. What are the harmful effects of burning fuels?

Ans. The increasing fuel consumption has harmful effects on the environment.

- i. Carbon fuels like wood, coal, petroleum release unburnt carbon particles. These fine particles are dangerous pollutants causing respiratory diseases, such as asthma.
- ii. Incomplete combustion of these fuels gives carbon monoxide gas. It is a very poisonous gas.
- iii. Combustion of most fuels releases carbon dioxide in the environment. Increased concentration of carbon dioxide in the air is believed to cause global warming.