

INTERNATIONAL INDIAN SCHOOL, RIYADH
WORKSHEET –SA1 (2013-2014)
STD. VIII
SCIENCE

Chapter: 6 Combustion and Fuels ,class-VIII

I. Fill in the blanks:

1. A good fuel should have _____ ignition temperature. (high/low)
2. LPG, petrol and alcohol are _____ substances.
3. The hottest region of a candle flame is called _____.
4. Incomplete combustion of fuels releases poisonous _____ gas in the air.
5. Increased percentage of carbon-dioxide in the air has been link to _____.
6. _____ form of fuels have the highest calorific value. (Solid/Liquid/Gaseous)
7. _____ zone of a candle flame is the coolest region.
8. The head of safety match nowadays contains _____ and _____.
9. Burning of fossil fuels release gaseous oxides of _____, _____ and _____ in the air.
10. Combustible substances are also called _____.
11. Unburnt carbon particles in the air are dangerous pollutants causing _____ diseases.
12. _____ combustion is responsible for outbreak of disastrous fires in coal mines. (Spontaneous/rapid)

II. Name the following:

1. The fuel with highest calorific value :
2. The fuel with lowest calorific value:
3. Two air pollutants related to acid rains:
4. Two inflammable substances:
5. The gas which helps in combustion:
6. Two common fire extinguishers:
7. Two chemicals which can be used as a alternative source of carbon dioxide for putting off fires:

III. Write true or false:

1. A substance burns in air if its temperature is below its ignition temperature:
2. A good fuel should have low calorific value:
3. Inflammable substances have low ignition temperature:
4. Non –luminous zone of a candle flame doesnot contain carbon particles:
5. Coal and wood are inflammable substances:
6. Burning of fossil fuel are environmental friendly:

IV. Answer in short:

1. Define the following:
 - (a) Combustion
 - (b) Ignition temperature
 - (c) Calorific value
 - (d) Inflammable substances
2. State four characteristics of a good fuel.
3. Burning of a candle produces flame while burning of charcoal doesnot. Give reason.
4. State two adverse effects of global warming.