



INDIAN SCHOOL DARSAIT



DEPARTMENT OF SCIENCE

Subject : Biology/Chemistry **Topic :** Combustion and Flame. **Date of Worksheet :** 18-8-2017

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Date of submission:

Name of the Student : _____ **Class & Division :** _____ **Roll Number :** _____

Q1.a	Define the following. a. Combustion b. flame	1
b	What causes greenhouse effect?	1
c	Why does white phosphorous catch fire on its own?	1
d	What causes Acid rain?	1
e	Why do forest fires occur in summer?	1
Q.2	When a person's clothes catch fire, you should quickly wrap him in a thick blanket and roll him on the ground. Why?	2
Q.3	Differentiate between complete and incomplete combustion?	2
Q.4	How it is possible that water can be boiled in a paper cup without burning it?	2
Q.5	What are inflammable substances? Define them with examples.	2
Q.6	Food is the fuel for our body .Justify this statement.	2
Q.7	How will you distinguish between fire extinguishing action of water and CO ₂ ?	2
Q.8	a) Define ignition temperature. b) Define calorific value.	2
Q.9	List any four characteristics of a good fuel.	2
Q.10	In an experiment 10 Kg of a fuel produced 200,000 KJ Of heat . Calculate the calorific value of the fuel.	3
Q.11	Why water is not used for extinguishing fire by petrol and fire in electrical appliances?	3
Q.12	Differentiate between the three types of combustion.	3