



INDIAN SCHOOL DARSAIT DEPARTMENT OF SCIENCE

Subject : SCIENCE		Topic : Coal and Petroleum		Date of Worksheet : 15-08-2017	
Resource Person: Mrs. S.SubhajaNandakumar			Date of submission:		
Name of the Student : _____		Class & Division : _____		Roll Number : ____	
	Answer the following				
1.	Expand PCRA.				1
2.	Explain why fossil fuels are exhaustible natural resources.				2
3.	Why petroleum is called black gold?				2
4.	Write the names of any two natural substances.				2
5.	Why is CNG referred as clean fuel?				2
6.	State some harmful effects of using fossil fuels?				2
7.	Name the places where natural gas is found in India.				2
8.	Fill in the blanks : (a) Fossil fuels are, and (b) Process of separation of different constituents from petroleum is called				½ x 10
	(c) is almost pure form of carbon. (d) is a mixture of various substances. (e) The first oil well was drilled in (f) gas is formed on burning coal. (g) is petroleum constituent used for road surfacing. (h) is used in the manufacture of fertilisers and chemicals.				
9.	State True or False. (a) Kerosene is used as the fuel in Jet aircrafts. (b) The useful substances obtained from petroleum and natural gas is termed as 'Petrochemicals'. (c) Vaseline is a petroleum product. (d) CNG is more polluting fuel than petrol. (e) Fossil fuels can be made in the laboratory.				5

Subject : Biology/Chemistry **Topic :** Combustion and Flame.

Resource Person: Mrs. Haseena Begum

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

