



INDIAN SCHOOL DARSAIT
DEPARTMENT OF SCIENCE

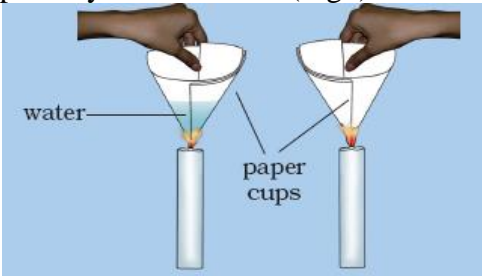



Subject : Biology/Chemistry **Topic :** Combustion and Flame. **Date of Worksheet :** 20-8-2019

Resource Person : Mrs. Haseena Begum

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

Q1.	CHOOSE THE CORRECT ANSWER 1. Which substance give heat and light after combustion a. Flame b. Fuel c. Combustion d. None of these 2. Coal burns with _____ a. Flam b. Only glow c. Both flame and glow d. None of these 3. Burning of charcoal in a closed room will produce a. Carbon dioxide b. Nitrogen dioxide c. Carbon monoxide d. All of these 4. The substances which have very low ignition temperature will a. Catch fire easily b. Will not catch fire c. Catch fire after some time d. None of these 5. CNG and LPG are the examples of a. Solid fuels b. Liquid fuels c. Gaseous fuels d. They are not fuels	5
Q.2	What causes greenhouse effect?	1
Q.3	Why does white phosphorous catch fire on its own?	1
Q.4	What causes Acid rain?	1
Q.5	Why do forest fires occur in summer?	1
Q.6	Abida and Ramesh were doing an experiment in which water was to be heated in a beaker. Abida kept the beaker near the wick in the yellow part of the candle flame. Ramesh kept the beaker in the outermost part of the flame. Whose water will get heated in a shorter time?	2
Q.7	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.8	Differentiate between complete and incomplete combustion?	2
Q.9	How it is possible that water can be boiled in a paper cup without burning it?	2

Q.10	Which is a better domestic fuel: LPG or wood? Give reasons	2
Q.11	What are inflammable substances? Define them with examples.	2
Q.12	How will you distinguish between fire extinguishing action of water and CO ₂ ?	2
Q.13	a) Define ignition temperature. b) Define calorific value.	2
Q.14	Make two paper cups by folding a sheet of paper. Pour about 50 mL of water in one of the cups. Heat both the cups separately with a candle (Fig.). What do you observe? 	2
Q.15	List any four characteristics of a good fuel.	2
Q.16	Why water is not used for extinguishing fire by petrol and fire in electrical appliances?	2
Q.17	You might have heard that when the clothes of a person catch fire, the person is covered with a blanket to extinguish fire (Fig.). Can you guess why? 	2
Q.18	Explain the experiment to show air is necessary for combustion.	3
Q.19	Differentiate between the three types of combustion. Give examples.	5
Q.20	Explain the various zones of candle flame by drawing a neat diagram.	5