INDIAN SCHOOL NIZWA - WORKSHEET

Ch 4 Combustion and Flame

Name: _____ Date:_____ Class: VIII Sec:

1.	A substance which reacts with oxygen giving heat is called a combustible substance. Which, one of the following is a combustible substance? (a) iron nail (b) glass (c) stone piece (d) wood
2.	_____ is the lowest temperature at which a combustible substance catches fire?
3.	The substances which have very low ignition temperature and can easily catch fire with a flame are called _____ substances?
4.	Deepak was heating oil to fry potato chips. The cooking oil all of a sudden caught fire. He took water to pour on the fire to extinguish it. But meanwhile his mother came and switched off the gas and covered the wok completely with a plate. a. Do you think pouring water to the burning oil would have worked? Why? b. Do you think what Deepak's mother had done is right? Why? c. Can you suggest other ways in which we can stop fire due to burning oil?
5.	Water is taken in a paper cup and heated over a candle flame. Does paper cup catch fire? Why/why not?
6.	Two glass jars A and B are filled with carbon dioxide and oxygen gases, respectively. In each jar a lighted candle is placed simultaneously. In which jar will the candle remain lighted for a longer time and why?
7.	What are the three essential requirements to produce fire? How fire extinguisher is useful for controlling the fire.
8.	In the case of electrical equipment on fire, pouring water over them may prove disastrous .Why?
9.	Controlling fire in the case of oil, petrol, etc, water cannot be used as an extinguisher. Why?
10.	If wood is heated a little, it would still not catch fire, but kerosene, if heated a little, catch fire. Why?