

Name: _____ Date: _____

Combustion and Flame

Q1. What is acid rain? How is acid rain harmful?

Ans. _____

Q2. If a can full of kerosene catches fire, what is the simplest way to put off this fire?

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Q3. What is explosive combustion? Give one example.

Ans. _____

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Q1. What is acid rain? How is acid rain harmful?

Ans. Burning of coal and diesel release sulphur dioxide gas. It is an extremely suffocating and corrosive gas. Moreover, petrol engines give off gaseous oxides of nitrogen. Oxides of sulphur and nitrogen dissolve in rain water and form acids. Such rain is called acid rain. It is very harmful for crops, buildings and soil.

Q2. If a can full of kerosene catches fire, what is the simplest way to put off this fire?

Ans. A small fire can be extinguished by throwing sand or soil over it. When sand is thrown over burning kerosene oil, the sand covers it like a blanket. The sand cuts off the air supply to the burning kerosene oil due to which the fire gets extinguished. For heavy fires involving inflammable materials carbon dioxide (CO_2) is the best extinguisher.

Q3. What is explosive combustion? Give one example.

Ans. A very fast combustion reaction in which a large amount of heat, light and sound are produced is called explosive combustion. A large amount of gases is released quickly. It is the rapid expansion of these gases which causes a loud sound. Example: fireworks on festival days. When a cracker is ignited, a sudden reaction takes place with the evolution of heat, light and sound.