FLINN
SCIENTIFIC

Generating and Detecting Ozone Worksheet

Questions

1. Describe what happened in this demonstration.

2. Ozone has a structure that is bent, like that of SO_2. Sketch the Lewis dot structures for O_3 and SO_2. Show the two resonance structures for each molecule.

3. Ozone is an oxidant and is capable of oxidizing metals that molecular oxygen (O_2) does not attack. Write and balance the reaction that takes place when ozone reacts with silver metal to form silver oxide and oxygen (O_2).