

Nitrogen Oxides and Acid Rain Demonstration Worksheet

Discussion Questions

1. Draw the set-up of this demonstration. Then, describe what you observed.
2. Write a balanced chemical equation for each reaction given below.
 - a. Copper pennies in nitric acid
 - b. Nitrogen dioxide and water
3. Phenol red, an acid-base indicator, was present in the water flask. It is red in a base and yellow in an acid. Knowing this, describe the effect nitrogen dioxide had on the water.
4. Name two harmful effects of acid rain. Then, name one way we can prevent acid rain in the first place.