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## **Laboratory Notes: Generation and collection of nitrogen dioxide (NO<sub>2</sub>) gas for equilibrium demonstrations**

Posted by [sat](#) on Tue, 2019-07-30 12:35

Nitrogen dioxide gas is used to demonstrate Le Chatelier's principle of equilibrium. The gaseous equilibrium is a mixture of nitrogen dioxide, a brown to reddish brown gas, and dinitrogen tetroxide, a colourless gas.

**The preparation and handling of nitrogen dioxide should only be conducted in an operating fume cupboard by trained staff, wearing appropriate PPE.**

These laboratory notes provide a method for the generation and collection of nitrogen dioxide (NO<sub>2</sub>) gas for two equilibrium demonstrations: the effect of temperature and the effect of pressure.

### **Tags:**

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### **Publication Date:**

July, 2019

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**Source URL:**<https://assist.asta.edu.au/resource/4495/laboratory-notes-generation-and-collection-nitrogen-dioxide-no2-gas-equilibrium>