

# Nitrogen in Air Science Project Idea

Contributed by Dee  
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Science project idea on the importance of nitrogen in the air.  
Importance of Nitrogen in the Air Science Project Idea

{mosloadposition advert1} Air Science Project Experiment

Manufacture some oxygen. This can be done by heating a mixture of potassium chlorate with manganese dioxide in a flask. The gas can be collected in a bottle in the manner shown in the diagram. Burn various substances as wood splinters, a candle, some sulphur, and an iron wire in bottles of pure oxygen.

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Pass oxygen into a bottle until it is one fifth filled. Fill the remainder with nitrogen, which may be made by heating together in a flask the two chemicals, ammonium chloride and sodium nitrate. Try to burn in this mixture of oxygen and nitrogen a splinter of wood, a candle, some sulphur, and an iron wire.

Do these substances burn the same as when burned in the pure oxygen?

What would happen if the air contained a much larger percentage of oxygen? What do you consider to be the value of nitrogen in the air? Nitrogen is a very inactive substance. It is due to this property that nitrogen is an important element in explosives. Explain. Under certain conditions some of the nitrogen of the air may be used in the growth of plants or may be made into substances from which explosives may be manufactured.

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