



a WOW Lab

BLUEPRINT

The Chemical (KNO_3)-How

Lesson Logistics

Learning Outcomes

Grades 10-12
From structures to properties

Class Organization

Ask the students to sit in a manner that offers a clear view of the demonstration.

Ensure that each student has a *Student Handout* and pencil.

Notes

This activity is intended to help students develop their research skills. It is up to the teacher to decide which method the students use to present their research. The students can each research several of the seven uses of potassium nitrate and submit their results in a short paper, or each student can research one topic and do a short presentation for the class. In the latter option, it is important to note that some of the uses are much more difficult to research than others and students should be evaluated accordingly.

When presenting the main activity, make sure to do it outside or near a fume hood because the smoke from the burning paper can set off a fire alarm. Keep some water nearby in the small chance that the paper catches fire.

Further Exploration

Have the students find other chemical compounds or elements which have many uses in our everyday life.