



a WOW Lab

# BLUEPRINT

## The Chemical ( $\text{KNO}_3$ )-How

### Shopping List

The list is divided into consumable and reusable items. Quantities listed assume that the activity will be performed once. Ideally, use a sheet of paper that is slightly thinner than typical printer paper. The listed initial cost assumes that the activity has never been performed before and that all of the materials must be purchased. The legend below provides details of where the materials can be found:

A = Arts and Crafts Store  
D = Dollar Store  
E = Educational Supplier

G = Grocery Store  
H = Hardware Store  
O = Online

P = Pharmacy  
S = Specialty Store  
U = University

CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
paper (preferably thin)	1 sheet	D	\$1.00
potassium nitrate	2 tbsp	P	\$10.00 (for 100 g)
hot water	40 mL	—	free
<b>COST OF CONSUMABLE ITEMS:</b>			<b>\$11.00</b>

REUSABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
thin paintbrush	1	D	\$1.00
candle	1	D	\$1.00
cork or rubber stopper	1	D	\$1.00
matches or lighter	1	D	\$1.00
needle or paper clip	1	D	\$1.00
<b>COST OF REUSABLE ITEMS:</b>			<b>\$5.00</b>

<b>INITIAL COST: \$16.00</b>
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### Tools

- scissors