

The Soap Worm Experiment

SCIENCE
WEEK

EQUIPMENT & INGREDIENTS...

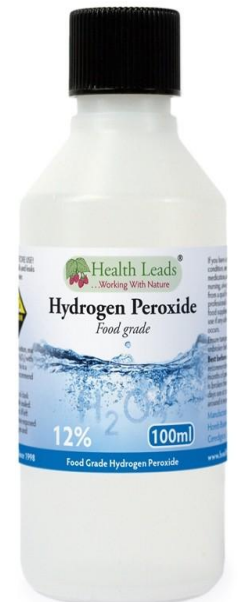
EQUIPMENT:

- ✓ 1 TALL GLASS
- ✓ 1 SHORT GLASS
- ✓ 1 TABLESPOON




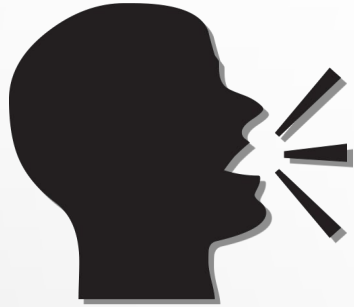
INGREDIENTS:

- ✓ Water – any temperature
- ✓ Potassium permanganate (crystals)
- ✓ Liquid dish soap
- ✓ Hydrogen peroxide

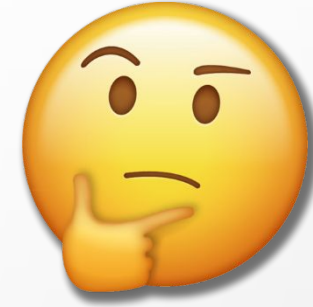


HERE'S WHAT WE'RE GOING TO DO...

1. POUR THE WATER ABOUT JUST ABOVE HALFWAY INTO THE SMALL GLASS.
2. SCOOP UP A TABLESPOON OF POTASSIUM PERMANGANATE CRYSTALS AND MIX THEM IN WITH THE WATER.
3. SQUIRT IN SOME DISH SOAP.
4. POUR THE LIQUID FROM THE SMALL GLASS INTO THE TALL GLASS. 
5. TIP SOME OF THE HYDROGEN PEROXIDE INTO THE LIQUID AND SEE WHAT HAPPENS!



PREDICTION...



WHAT DO YOU THINK MIGHT HAPPEN AND WHY?

RESULTS:

WHEN THE HYDROGEN PEROXIDE WAS Poured IN, THE LIQUID BECAME FOAMY AND FLOWED OVER THE EDGE OF THE GLASS.

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=LIS3VQLEEWU](https://www.youtube.com/watch?v=LIS3VQLEEWU)

This happened because...

CONCLUSION:

WHEN THE HYDROGEN PEROXIDE IS MIXED WITH POTASSIUM PERMANGANATE, OXYGEN GAS AND WATER VAPOUR ARE FORMED. THE SOAP IS USED TO HELP US SEE THE REACTION. BUBBLES OF OXYGEN BECOME TRAPPED IN THE SOAP, CREATING FOAM. THE REACTION OCCURS SO QUICKLY, RELEASING SO MUCH GAS, THAT THE FOAM BEGINS TO FLOW OUT OF THE GLASS.

THANK YOU FOR LISTENING TO MY PRESENTATION!

Also happening this week:

- ✓ Duck eggs are arriving on Tuesday
- ✓ Each class will have a parent come in to talk about science in their job
- ✓ Each class is visiting Year 6 for a carousel of science activities on Thursday
- ✓ There will be another house captain assembly on Friday

Remember to check out the school science page for more information!

<https://www.gardensuburbjunior.co.uk/page/?title=Science&pid=330>