

Section 1. Aquabox Challenge Details Booklet

Section 2. Aquabox Games & Activities to have some fun

### **Section 3. Aquabox Presentation to learn all about Aquabox and find some answers to the challenge questions!**

(Note: This Aquabox presentation can be requested as a Power Point)



**WITH  
YOUR  
HELP**

# **CAN PROVIDE CLEAN WATER IN A CRISIS**



# WHO WE ARE

## A VOLUNTEER-LED CHARITY

Supported by 70 volunteers of Rotary, Lions & Wirksworth Local Community

- **FOUNDED IN 1992 BY THE ROTARY CLUB OF WIRKSWORTH AS A COMMUNITY PROJECT TO PROVIDE SAFE WATER AND HUMANITARIAN AID IN THE AFTERMATH OF DISASTERS**
- **OPERATED BY A BOARD OF 5 TRUSTEES A DEPOT MANAGER AND 70+ VOLUNTEERS**
- **20 AQUABOX AMBASSADORS ACROSS THE UK, USA, AUSTRALIA, FRANCE, CANADA, SWEDEN**
- **RECIPIENT OF THE QUEEN'S AWARD FOR VOLUNTARY SERVICE IN THE COMMUNITY**



**The Queen's Award  
for Voluntary Service**

*The MBE for volunteer groups*

# WHAT IS A DISASTER – WHERE DO THEY HAPPEN ?





# NATURAL DISASTERS



**EARTH QUAKE**



**TSUNAMI**



**VOLCANO**



**TORNADO**



**FOREST FIRE**



**FAMINE**



**FLOODS**



**HURRICANE**



**AVALANCHE (SNOW SLIDE)**



**DROUGHTS**



**LIGHTNING**



**CYCLONE**



**LAND SLIDE**



**METEOR (STRIKING EARTH)**



**SNOW STORM**



# MAN-MADE DISASTERS & CLIMATE CHANGE !



**TRAIN ACCIDENT/DERAIL**



**AVIATION INCIDENT (Plane crash)**



**SHIPWRECK (Accident)**



**TRAFFIC COLLISION (Road accidents)**



**WAR**



**BRIDGE COLLAPSE**



**WILDFIRES - Human negligence like discarded cigarettes.**



**SPACE ACCIDENT**



**ARSON-The criminal setting a fire with intent to cause damage.**



# WHEN DISASTER STRIKES over 50 countries world wide!

Ukraine



Yemen



Syria



Nepal



Pakistan



Gambia





**Our message is simple.**

**We save lives!**

**We wish to save more lives**

**With your help we can**

**We need to take action quickly.....**

**We can only live 3 MINUTES WITHOUT AIR**

**3 DAYS WITHOUT WATER**

**3 WEEKS WITHOUT FOOD**

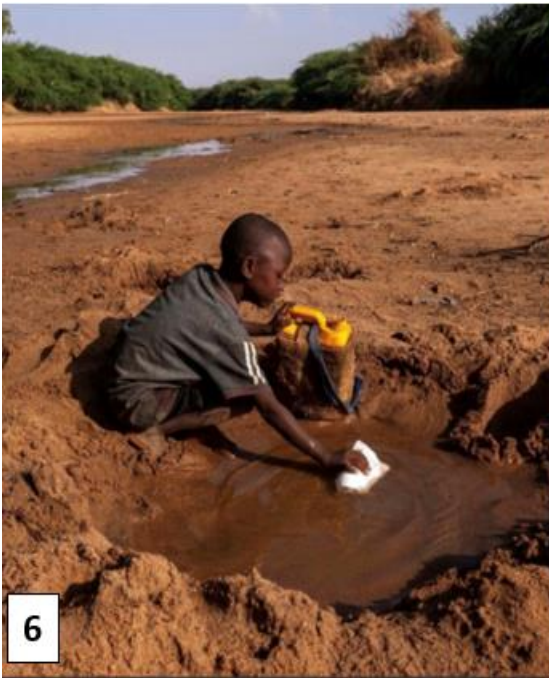




# WHAT IS THE STORY ?    WHAT DO YOU SEE ?



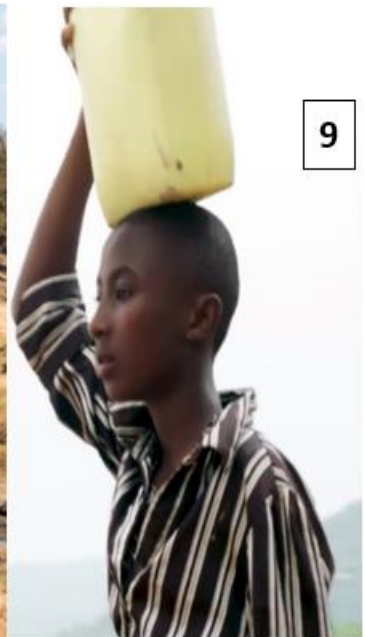




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# HOW WE HELP.....

OUR WATER FILTERS PROVIDE SAFE DRINKING WATER

Family filters make 1 litre clean drinking water a minute



FAMILY FILTER



AQUA12 BOX of 12 FAMILY FILTERS



COMMUNITY FILTER



These Community Filters are used in community centres, schools and hospitals.

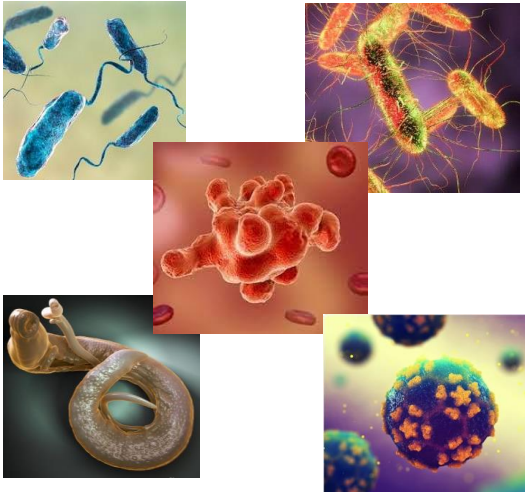
- They can clean 6 litres of water a minute.
- Over 1 million litres of water over its working life.



# The 'magic' of science !

Aquabox filters remove waterborne pathogens, the causes of

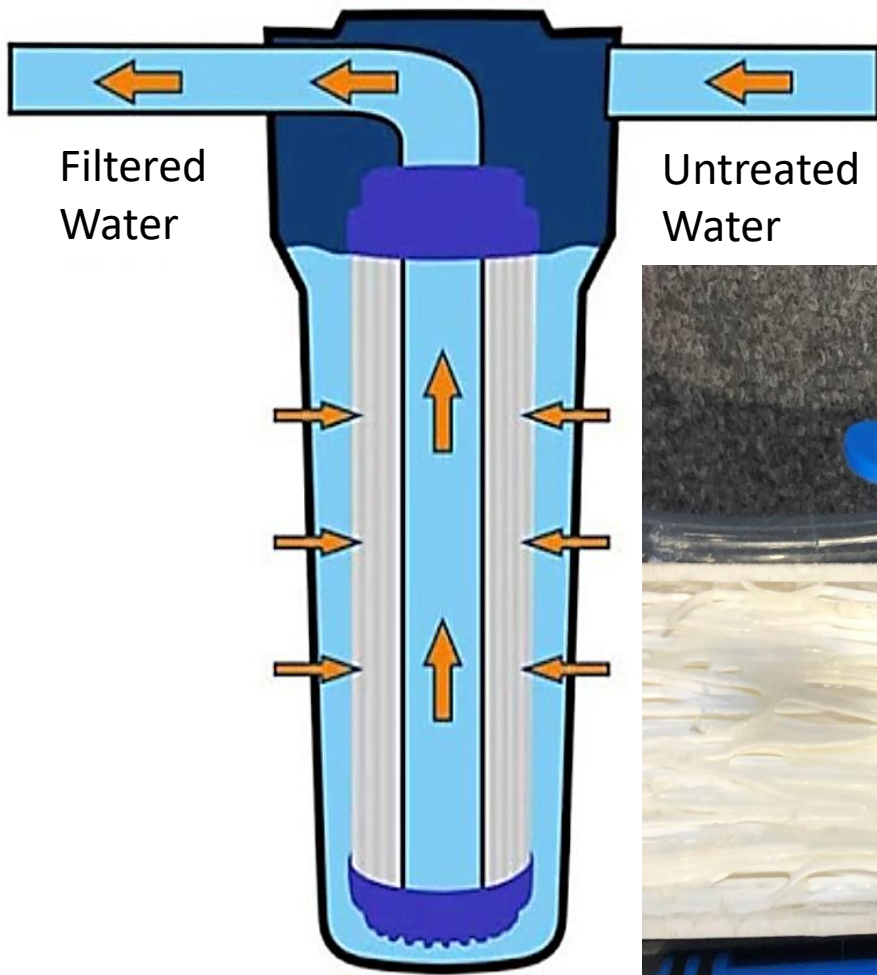
- Cholera
- Typhoid
- Amoebic dysentery
- Parasitic worm cysts
- Polio etc



These 'straws' filter the pathogens out of the contaminated water.







500 special straws shown here  
are used to filter the dirty water

# HOW THE FILTER'S STRAWS WORK

Each of the 500 straws has hundreds of holes that you cannot see because they are so tiny  $1/1000^{\text{th}}$  of a millimetre.

When you pump the filter's handle the dirty water is forced through the filter under pressure.

The dirt and waterborne pathogens (germs) cannot go through these holes and only clear clean water gets through the filter.

The dirt & pathogens are stored in the top of the filter and each day are removed by 'backflushing' and cleaning the filter with fresh clean water.



# HERE IS ONE STRAW SHOWN BIGGER

The dirty mud and germs (pathogens) cannot get through the tiny holes as they are too big !



Muddy Water



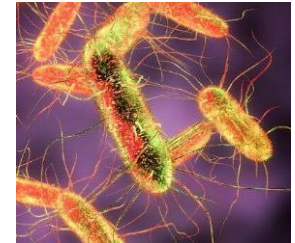
Ameobic Dysentery



Parastic Worm Cysts



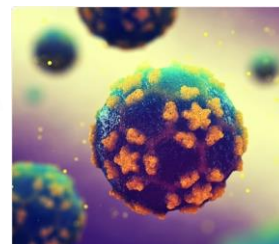
Typhoid



Cholera



Polio

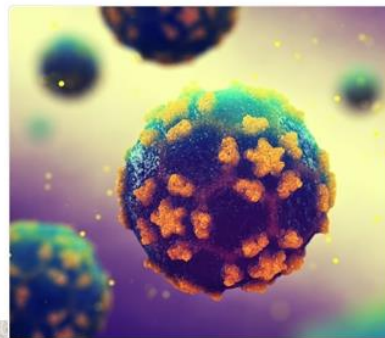
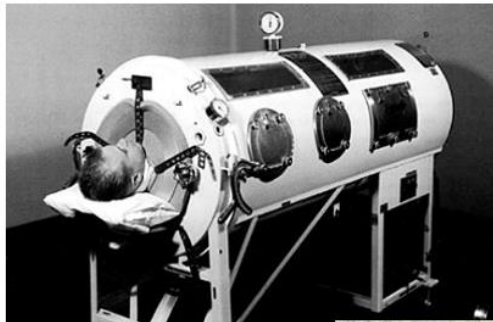




# WORLD POLIO DAY IS 24 OCTOBER

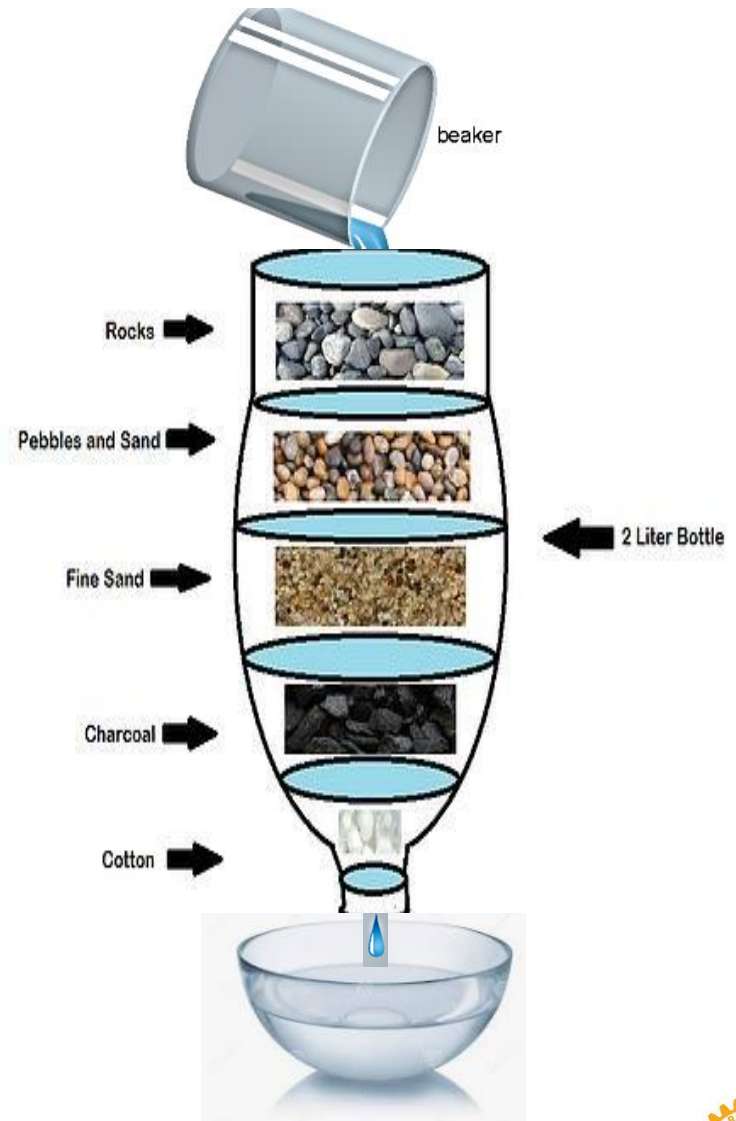
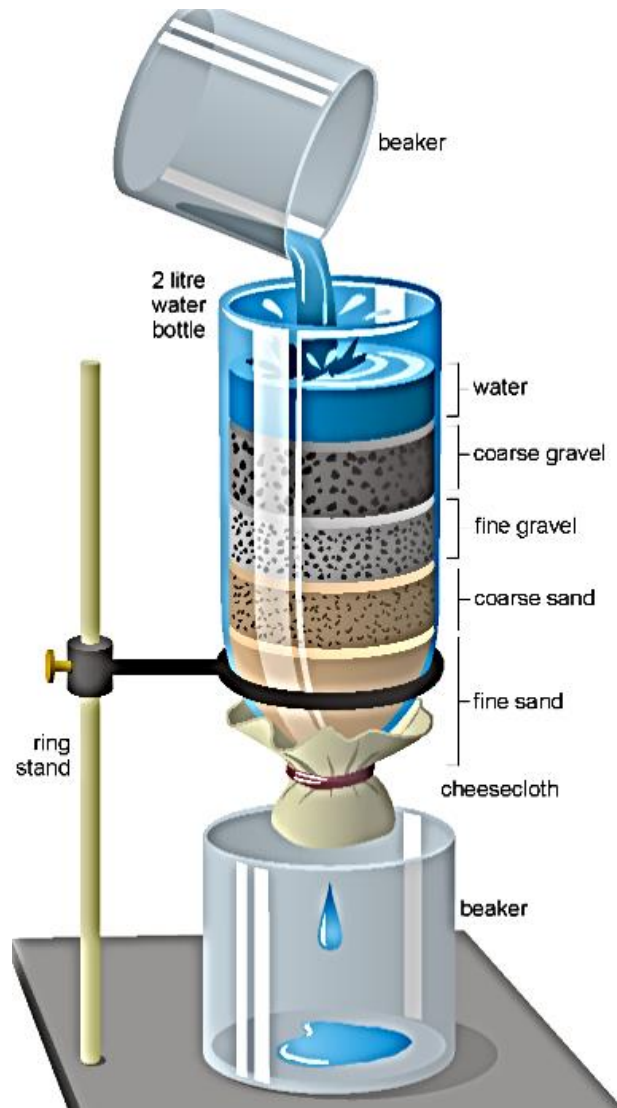


Since 1985 Rotary Worldwide and the Bill and Melinda Gates Foundation have been working together to eradicate polio throughout the world [To donate, visit endpolio.org/donate](https://endpolio.org/donate)





Research how and ways to make a plastic bottle water filter.  
Is this filtered water safe to drink immediately?



# HOW WE HELP.....

OUR BOXES INCLUDE VITAL HUMANITARIAN AID ITEMS





- Our volunteers give their time free, to assemble the family filters
- Our volunteers give their time free, to pack the Aquaboxes
- Companies support Aquabox to pay the depot rent
- We need to fundraise to
  1. buy the Aquabox contents
  2. to pay for some of the freight costs
  3. to pay for one part time depot manager/accountant

The latest family water filter cleans the water which is immediately drinkable. There is no need to boil the water or add chemicals. Prototype 8 has been in use for 8 years and are still working 8 years later!



# Aquabox contents and the materials used where possible are recyclable

In addition to the water filter they contain:-

- ★ Shelter and survival tools
- ★ Feeding and Drinking items
- ★ General Household items

and a little bit of fun  
for the children ! But  
these could still be useful, any ideas?





Sometimes, we need donations of towels not necessarily new, any size, but in a clean good condition.

At present we are fully stocked till later in the year.

What could they be used for?

The towels are used to wrap the filters in transit, instead of plastic!

The towels can then be used for other emergency needs.

Can you think of some?



# AQUABOX IN ACTION!

Can you think of some more ideas this box could be used for?





# OUR POSITIVE ENVIRONMENTAL IMPACT



In just ONE year we supplied filters capable of producing 4000 litres of water EVERY MINUTE.

So, EVERY MINUTE 4000 plastic litre bottles of water are no longer needed or transported –

a massive reduction in the carbon footprint

# Every pound donated really helps



**FAMILY FILTER**  
Costs £35



**AQUA AID BOX**  
Costs £ £150



**COMMUNITY FILTER**  
Costs £250



## Find out more about the Aquabox Challenge and Badges.

The Aquabox challenge is to raise awareness of the amazing work that Aquabox do, to save lives, around the world in times of crises.

The Aquabox Challenge is designed to be simple and adaptable for all ages. The Aquabox Challenge Pack is free and all information needed would be emailed to you.

The Aquabox Badges are available with a minimum suggested donation of £1.00 each please.



[aquabox.org](http://aquabox.org)



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