Water Purification

Water Purification is the removal of contaminating substances from 'raw' water to produce water that is pure enough for humans to drink.

\ \ \ \ \	١	Use these we	ords to com	plete the senten	ces below:	V V V
			0	nical pollutants		earance algae
Substances	that are rem	oved durin	ng the proc	ess of purifica	tion include /	4 ,
В	, F_	, mai	n-made C_{-}		P	
V	, and	M				
Substance (removed impr	ove the wa	iter's S_	, T	, and A	·
Is it pos	ssible to tell	whether v	water is sa	fe to drink ju	ıst by lookin	g at it?
and l	low land reser	voirs. The	se are sour	rs; Upland lake ces of D order of effe	W	oirs; Rivers, canals ————
Memoc	us Of Wale	er rurijic	arion (in	order of effe	gniliob	7
		•	_	organisms. Wa killed from 16		
				lacim	ehc noitartlif	
using <u>chl</u>	• •	perature, cl	larity and ph	ose using <u>iodine</u> H level of water		Charac Talels by Wher Purification
					noitartlif	Reverse Osmosis Pressure Universal Water Porfied Water
_,			t filter out	viruses.		- 406
<u>1) M</u>		<u>'s:</u> which us	e thin sheet	s with precisely size from passir	•	Septimized of the control of the con
<u>2)</u> Do	<u>epth Filters:</u> w	hich use th	ick porous m	naterials such as rough the mate	s carbon or	

Experiment to be done during the session

(1) Water Purification

You will need a (preferably) clear water bottle cut in half with scissors (both parts needed)

Strong paper towel such as 'Plenty'

Cotton wool or cotton balls

Clean fine sand if possible

Pebbles and/or gravel

A plastic cup of dirt with bits of sticks/straw/grass, etc. to make some dirty water.

If you do not have all the materials, don't worry. Just get creative and substitute materials with what you have. (e.g. uncooked rice, pasta, dried peas, beans, lentils. Anything you think will make a great filter.





Activity to be done before the session

(2) Build indoor Camp Shelter

You will need Sheet/s, Blanket/s, Duvet or anything you think will help to make a great indoor camp shelter.

Build with the help of chairs, stools, tables, sofas etc. Be creative.

Whatever you do, you must be able to shelter under it.

Take a photo, print it and include in your folder as evidence against Jesus our Refuge. Also have it to show to the rest of us.

Have Fun.

