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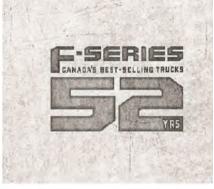


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## Contents

THE ADVENTURES OF

Turtle Club Kids

Welcome to Turtle Club Kids	Page 3
Be a Turtle Club Kid	Page 5
Our water, let's protect it	Page 6
Plastics top "Dirty Dozen"	Page 7
10 Ways to Recycle Water	Page 8
Did You Know - Recycling Facts	Page 12
Being a Turtle Club Kid - Cartoons	Page 17

#### ACTIVITIES

Glow-in-the-Dark, Sensory Bottle	Page 5
From plastic bag to parachute	Page 11
Word Search	Page 14
Un-scramble words, Spot the Difference	Page 15
Fun Colouring	Page 18
Water Quiz	Page 19
Turtlemazing	Page 21
Find your way - Maze	Page 22



Turtle Club Kids is produced by Turtle Island News Publications. 2208 Chiefswood Road, Oshweken, Ontario, NOA IMO 519.445.0868

**Furtle Island News** 

## Welcome to Turtle Club Kids





Remember,
we don't inherit the planet
from our parents,
we borrow it
from our children.

**Educators Local 00128 Union of National Employees Public Service Alliance of Canada** 



From poisoning and injuring marine life to disrupting human hormones, from littering our beaches and landscapes to clogging our waste streams and landfills, the exponential growth of plastics is now threatening the survival of our planet.

Plastic objects that we use once and discard, or single-use plastics, are a growing critical problem of global proportion.

www.earthday.org

Plastic bottles for soft drinks, juice and water are a handy way to conquer thirst ... and they don't shatter if you drop them.

And when plastic bottles are recycled they can be made into lots of things: t-shirts, sweaters, fleece jackets, insulation for jackets and sleeping bags, carpeting and more bottles.

It takes about **10 bottles** to make enough plastic fiber to make a cool **new t-shirt**.

It takes **63 bottles** to **make a** sweater.

It takes only **14 bottles** to create enough **insulation (fiberfill)** for a ski jacket. And **114** bottles to make enough insulation (fiberfill) for a **sleeping bag**.

Nearly 28 percent of plastic bottles are recycled in our country. If everyone pitches in, we can do even better.

www.recycleyourplastics.org/consumers/kids-recycling/plastics-can-become/



# Our water, lets protect it!

## Freshwater

Canada's lakes, rivers, streams and wetlands, hold 20 per cent of the world's freshwater. With such richness comes responsibility to protect watersheds for the wildlife and people who rely on them.

Unfortunately, Canada's freshwater ecosystems are in trouble. All 167 sub-watersheds are under stress and wildlife that rely on freshwater are under threat; native fish species in Lake Ontario dropped 32 per cent on average in the past 25 years.

## It is time for better protections for freshwater systems and species.

WWF is working towards a future where all Canadian waters are in good condition by building water resilient communities, bringing big water data to decision-making tables, and creating a culture of water stewardship across the country by working with governments at all levels, community groups, researchers and Indigenous communities.

## Freshwater threats

For decades, Canada has failed to collect real information on a national scale about the health of our freshwater ecosystems. But what we do know is troubling.

Our water systems are facing increasing pressure every day. Growing populations are requiring more clean water. Increasing urbanization and agriculture are encroaching on habitats causing loss and fragmentation. Increasing demand for energy and resources are releasing increasingly more pollution and obstructing water flows. A warming climate is

resulting in rising air and water temperatures, and changes in precipitation (from droughts to flooding).

## Freshwater future

The good news is that Canada's commitment to freshwater stewardship, conservation, and science-based decision-making is now a national priority. There is a growing awareness that safeguarding our freshwater ecosystems is critical to the future of our economies, our communities and our quality of life.

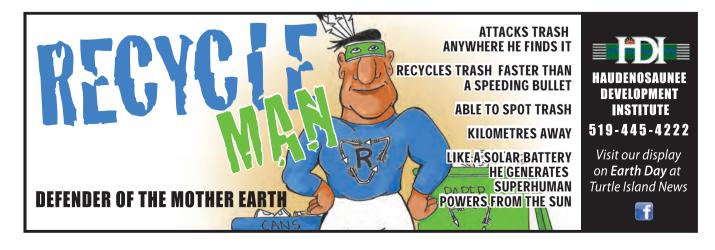
For close to a decade, WWF has been a pioneer in freshwater conservation: forging conservation partnerships with river communities, closing knowledge gaps around national freshwater health, building capacity behind local water stewards, and helping thousands of Canadians "get their hands wet" in grassroots freshwater conservation.

Today our aim is for all of Canada's water to be in good condition by 2025. That goal has never been more important, or more achievable. - www.wwf.ca -



WWF - Canada — helps create a world where nature, wildlife and people thrive together.

Learn more at www.wwf.ca



# Plastics top Dirty Dozen'

## list of litter found on Canada's shores

VANCOUVER, Feb. 22, 2018 – Tiny plastic and foam fragments topped the Great Canadian Shoreline Cleanup's annual "Dirty Dozen" list, which reports on the types of litter most commonly found on Canada's marine and freshwater shores.

More than 330,000 tiny pieces of plastic and foam debris were collected by Shoreline Cleanup volunteers from 1,849 cleanups that covered more than 2,800 kilometres of shoreline in 2017.

Plastic bottles, caps and bags were also high on the list of offenders. Around the world, the equivalent of one dump truck load of plastic enters the oceans every minute, impacting hundreds of marine species.

"Once in the water, plastic never goes away. It breaks up into increasingly smaller pieces known as microplastics

that are next to impossible to remove, and are found throughout the food chain, from tiny zooplankton to marine mammals," says Rachel Schoeler, Great Canadian Shoreline Cleanup manager. "That's why we're working to keep shorelines clean. To stop plastic from entering the water in the first place."

Year after year, volunteers play a critical role in helping reduce plastic pollution in coastal and freshwater bodies.

Last year alone more than 58,000 people removed 88,700 kilograms of garbage that otherwise would have entered the water, impacting wildlife and ecosystems.

Microplastics, the invisible remnants of things such as plastic bags, synthetic clothing and bottles, are found in our waters at an alarming rate," says Megan Leslie, World Wildlife Fund Canada president and CEO. "Wildlife such as fish, birds and turtles mistake microplastics for food or become entangled in larger plastics. Every piece of garbage we remove from our shorelines is one less piece that can harm wildlife."



# 10 Ways To Recycle Water

water doesn't usually come first in mind. Although it may seem unlikely to you, water is increasingly becoming difficult to obtain. Water resources are continually becoming depleted or polluted as time goes by and that means water bills will eventually become too high as it continues to rise. By conserving and recycling water, you're not only preserving your water stores and keeping your water bills under control, you're also helping save the environment. Water is used every day and everywhere so there's no limit to how much water you can conserve. Here are ten ways you can recycle water.

When it comes to recycling things,



# 1. Use a bucket to catch the cold water in the shower

When you turn on the shower, it usually still takes some time before the water heats up enough to your preferred temperature. Instead of letting the cold shower water flow down the drain unused, stick a bucket underneath it to

catch the water until it heats up. You can then use this water for other purposes such as watering the garden, or scrubbing the floor.





## 2. Use rain collection barrels

Having even just one rain collection barrel is a great way to conserve lots of water. If you do not have rain collection barrels, you can just use a regular bucket

placed outside in the yard. You'll be amazed at how much water you can collect. You can use the stored water for watering the garden, feeding livestock, and many more.

## 3. Don't always use the dishwasher

Dishwashers use a great deal of water whether they're fully loaded or not. If you only used a few utensils, wash them by hand instead in a plastic tub of water. The rinsed water can be reused as well for watering plants, cleaning sinks, toilets, floors, and more. To remove grease from the rinsed water, add a few drops of dish soap or mild shampoo.



## 4. Save pasta water

Next time you cook a pot of pasta, don't dump the leftover water down the drain. Instead, allow the water to cool then use it on other things such as watering plants or flushing the toilet.



## 5. Reuse the water that drains out of plant pots

Pots for plants usually come with holes at the

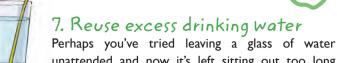


bottom to allow drainage since too much water can drown the plants. Usually, pots can be bought with a circular plate for the bottom to catch the drained water. If your pot doesn't have this, you can use an old plate or a bucket to catch the water that drains out of the pots. You can then reuse this water in the garden.

# 6. Rinse vegetables in a bowl of water

Instead of washing your vegetables under running water from the tap, wash them in a bowl of water instead. This will allow you to save the water for later use in the garden. Even if the water

contains bits of mud or vegetable peels, it will still be useful for plant nourishment.



unattended and now it's left sitting out too long to drink. If so, you can use this to feed your plants.

Alternatively you can mix it with some soan then dip

instead. Alternatively, you can mix it with some soap then dip an old toothbrush in it to scrub some dirty surfaces.

#### 8. Reuse bath water

After a bath, don't drain the water you've used. There are a lot of other

ways you can make use of this bath water. You can use it to water plants or trees, to clean tiles, to mop floors, or even to wash your car with.



## 9. Take baths instead of showers

More water is lost down the drain when you shower compared to when you take a bath. In fact, 7-10 gallons of water are wasted when you

shower. Take baths instead and reuse your bath water for some other purpose.

#### 10. Wash your car with buckets

Use buckets of water to wash your car since hosing it down will make you easily lose track of how much water you've

wasted. Try to minimize the number of buckets of water you use to conserve water.

www.ideadigezt.com/10-ways-to-recycle-water/









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## Activity

# Recycle a plastic bag into a parachute

Learn about air resistance while making an awesome parachute!

Design one that can fall slowly to the ground before putting it to the test, making modifications as you go.

#### **Instructions:**

- Cut out a large square from your plastic bag or material.
- Trim the edges so it looks like an octagon (an eight sided shape).
- Cut a small whole near the edge of each side.
  - Attach 8 pieces of string of the same length to each of the holes.
  - Tie the pieces of string to the object you are us-

ing as a weight.

 Use a chair or find a high spot to drop your parachute and test how well it worked, remember that you want it to drop as slow as possible.

#### What you'll need:

- A plastic bag or light material
- Scissors
- String
- A small object to act as the weight, a little action figure would be perfect

#### What's happening?

Hopefully your parachute will descend slowly to the ground, giving your weight a comfortable landing.

When you release the parachute the weight pulls down on the strings and opens up a large surface area of material that uses air resistance to slow it down. The larger the surface area the more air resistance and the slower the parachute will drop.

Cutting a small hole in the middle of the parachute will allow air to slowly pass through it rather than spilling out over one side, this should help the parachute fall straighter.



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# Did You Know?

#### RECYCLING FACTS

• The idea of recycling isn't something new, historical evidence shows that humans have been recycling various materials for thousands of years.

 Recycling is the process of turning used waste and materials into new products. This prevents potentially useful materials from being wasted as well as reducing energy use and pollution.

SORTING

 A wide variety of different materials can be recycled, including paper, plastic, glass, metal, textiles and electronic equipment. • There are different methods of waste collection.

These include drop off centers (where waste materials are dropped off at a specified location), buy back centers (where certain materials are exchanged for money), and curbside collection (where recycling vehicles are used to pick up waste material intended for recycling along residential streets).

 Powerful magnets are used to sort through different types of metals.

PLASTIC



• Different types of plastics are labeled by numbers (plastic identification code), for example polyethylene (PET) is number I and polyvinyl chloride (PVC) is number 3.

#### ALUMINUM

 Aluminum can be recycled from cans, bicycles, computers, cookware, wires, cars, planes and other sources.

• Recycling old aluminum uses only 5% of the energy used to make new aluminum.

## **Hug a tree Today!**



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• Recycled paper can be made from three different types of paper; mill broke (paper scrap and trimmings), preconsumer waste (paper that was

discarded before consumer use), and post-consumer waste (paper discarded after consumer use, such as old newspapers).

 Recycling is part of the waste disposal hierarchy - Reduce, Reuse, Recycle.

Glass recycling is often separated into colors because glass keeps its color after recycling.

 For every ton of recycled glass turned into new products, 315 kilograms of extra carbon dioxide that would have been released during the creation of new glass are saved.

MID YOU KNOW?

PAPER



R E D U C E · R E U S E · R E C Y C L E

## It's good to Compost!

Composting is a form of recycling. It helps us reduce the amount of rubbish that we send to landfill sites! And it's an easy way to get some excellent and free fertilizer for the garden.

For best results use grass, leaves, flowers, vegetable & fruit scraps, leftover table scraps (not meat), egg shells, coffee grounds and stale bread. Paper, cardboard, sawdust, animal manure and seaweed can also be composted.



See if you can locate all 20 words which describe the content of our Planet Earth

Good Luck!

Word Search

E X Z z

CONTINENT **FOREST ICEBERGE MAGMA** 

**RAIN SOIL WATER** DESERT

**GOLD LAKE** MOUNTAIN **RIVER** 

**TREE** WORLD **EARTHQUAKE GRASS** 

**LAVA OCEAN ROCK VOLCANO** 



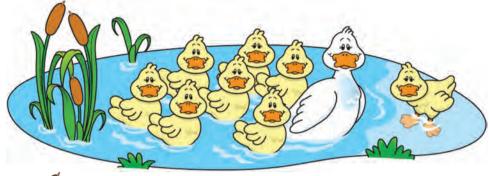
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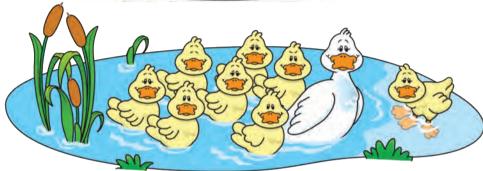
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# Spot the difference





7. One duck has three feet.

ANSWERS: SPOT THE DIFFERENCE BETWEEN THE TWO IMAGES

BOTTOM IMAGE: 1. Leaf missing from two reed plants. 2. One duck has his eyes closed. 3. One duck is missing feathers on his wing. 4. One duck has extra feathers on his wing. 5. One duck is frowning. 6. One duck has no eyebrows.

## Environmentally friendly Riddles

How do you cut the ocean in half?
With a SEA SAW!

How does mother earth feel about wind power? She's blown away!

Why did the gardener plant a light bulb?
She wanted to grow a

power plant!

What did the ocean say

to the environmentalist? Nothing, it just waved! What is the smartest renewable energy?

**Brain Power!** 

What did the baby LED bulb say to his mommy? I wuv you WATTS and WATTS!

## Un-Scramble

Un scramble the letters to display the recycling word.

L EPRPA



- 2. LOETSTB
- 3. ECRECLY
- 4.TCSIPLA
- 5. ATESW
- 6. EWEANSRPP
- 7. EUSRE
- 8. IGPNAGKCA
- 9. RECEDU
- 10. SERIOCOVANTN

MOKD SCKVARIE VICTORSES STREDICE

1. PAPER 2. BOTTLES 3. RECYCLE 4.

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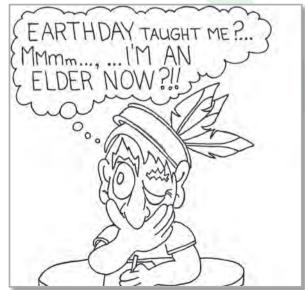
Being a Turtle Club Kid. By Ron Johnson















# Water Quiz



Take our water quiz and learn more about this vital resource. See what you understand about water properties, oceans, bottled water, how long a human can survive without water and much more.

#### I.True or false?

Sound travels faster through water than air?

- 2. Water is made up of what two elements?
- 3. What is another name for a tidal wave?

#### 4. True or false?

The Indian Ocean is the biggest ocean on Earth.

- 5. The solid state of water is known as what?
- 6. Can the average human survive without water for a few days or a few weeks?

#### 7. True or false?

Pure water is tasteless.

- 8. Nimbus, cumulus and stratus are types of what?
- 9. True or false? Water is an example of a chemical element.
- 10. Does water cover more or less than 50% of the Earth's surface?
- 11. True or false?

Water boils at 100 ° Celsius (212 ° Fahrenheit).

- 12. When water is cooled, does it contract or expand?
- 13. Water freezes at what temperature?



- 14. True or false? Water is easy to compress.
- 15. What is the chemical formula of water?
- 16. The deepest point in all of the world's oceans is named what?

#### 17. True or false?

The consumption of bottled water has risen significantly over the last few decades.

- 18. Pure water has a pH level of a around what number?
- 19. What is the longest river on Earth?
- 20. **True or false?** Ice sinks in water.

17. Irue 18. 7 19. The Wile River 20. False - It floats 13. 0°C (32°F) 14. False 15. H20 16. Mariana Trench 9. False 10. More - Around 70% 11. True 12. Expand 6. A few days 7. True 8. Clouds 2. Hydrogen and oxygen 3. Tsunami 4. False - Pacific Ocean

erer Quiz Answers

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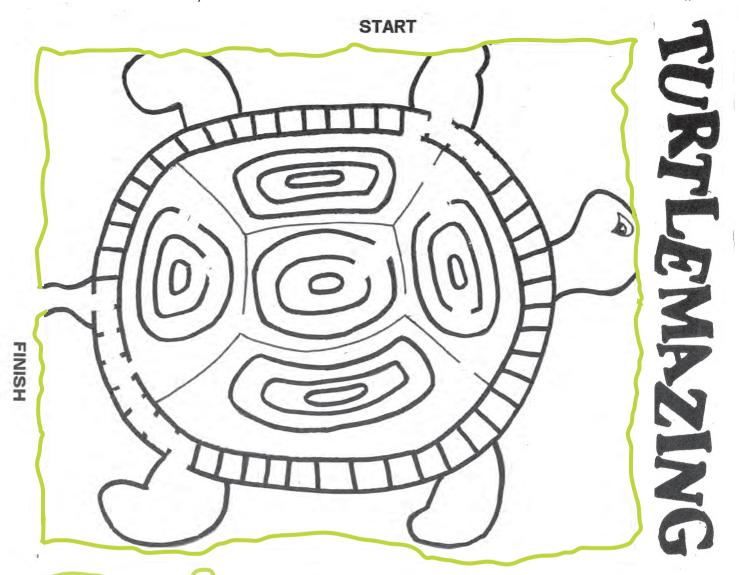




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Never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it's the only thing that ever has.

Margaret Mead

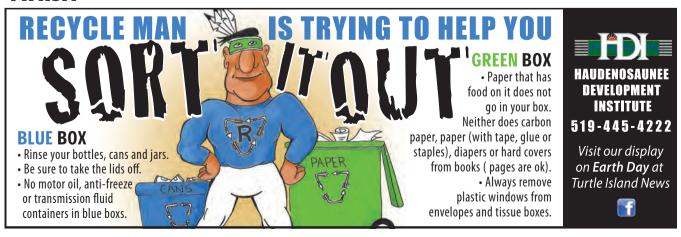




## **START** Can you make your way to the recycling box?



#### **FINISH**





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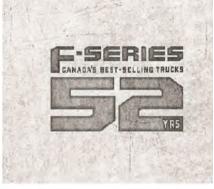


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