



The AVA Project



The Importance of Water in Our World



Different Types of Water



TYPES OF WATER

- CLEAN WATER - drinking water or potable water is known as clean water
- GREY WATER - all the wastewater formed in households or office buildings from streams without fecal contamination or kitchen water.
- BLACK WATER - is the wastewater from bathrooms and toilets that contains fecal matter and urine.

Know your Water



CLEAN WATER

→ Water used
for drinking
and cooking

GRAY WATER

→ Used water
without toxic
chemicals
and
excrement

BLACK WATER

→ Contaminated
water with
toxic
chemicals and
excrement

CLEAN WATER

- ★ Ground Sources
- ★ Surface Water
- ★ Precipitation



BLACK WATER

- ★ Toilets
- ★ Dishwashers
- ★ Kitchen Drains



GRAY WATER

- ★ Faucets/Taps
- ★ Baths
- ★ Bathroom Sinks
- ★ Washing Machines

Uses of Water

Uses of Water

Water plays an important role in the life cycle of plants, animals, and humans.

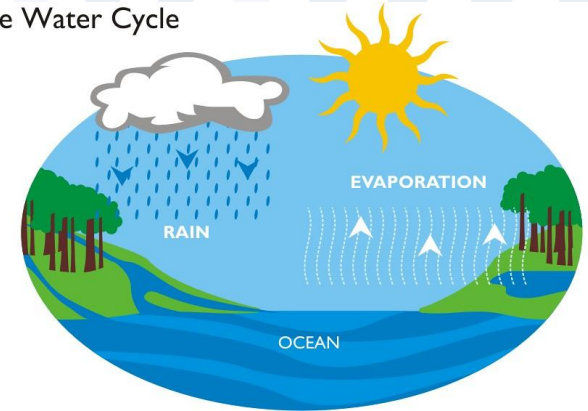
- Drinking
- Cleaning
- Cooking
- Having a Bath
- Watering Plants



The Water Cycle

- Water evaporates from water bodies and forms clouds in the sky
- When clouds become heavy, we get rain
- Rain again evaporates and forms clouds and the cycle continues

The Water Cycle



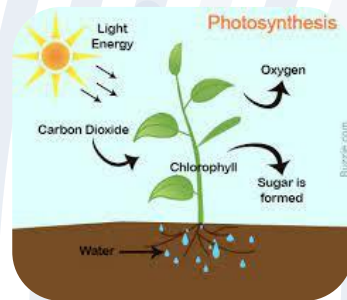
Rainfall

- Rainwater is fresh water
- Rainwater can be stored and used in everyday activities
- Rainwater can be measured by tools like a rainwater measurer



Plant Life

- Plants need water to live and water plays an important role in the wellbeing of plants
- Plants use sunshine, water and soil to grow
- Without water, plants can not survive
- Plants convert carbon dioxide (CO_2) to oxygen (O_2) which humans need to survive and thrive



Water Bodies

- Sea and ocean water is salty
- The water has too much salt for humans to have and that's why we can't drink water from the ocean
- This water can be distilled and then it will be ready to drink
- Water from lakes are clean water and can be consumed
- Other water bodies are rivers and ponds
- All water bodies have some water animals living in them like fishes and whales



Water Vapor in the Air

- Water vapor is needed in the atmosphere to maintain a state of humidity
- These conditions make sure that skin remains hydrated, eyes are healthy, and hair remains well
- It ensures that the atmosphere is moist and people feel fit and healthy
- When water vapor condenses, we get rain

Where do you see water?



Mindfulness in Nature:

Spend the next 10 minutes outside!
Find a quiet place to sit, or take a short walk. What forms of water do you observe?

- draw pictures
- record words

Be ready to share!





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Natasha is a 9th grader in Houston, TX. She has been an active participant in the Houston Zarathushti community since childhood and is currently the President of its Middle Group. She is very passionate about science and nature and is interested in medicine as a future career.

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