

# WATERFALL HONOUR



SKILL LEVEL: 1  
CATEGORY: NATURE  
ORIGINAL HONOUR: 2011

PRESENTED BY: UNCLE IRVINE

# IRVINE GWATIRINGA

- **FAMILY**

1 Wife 2 Kids (Slie, Shekainah & Sheyna)

- **PROFESSION**

10 Years In Service

EZC Youth Director

- **PATHFINDER HISTORY**

Masterguide at Solusi University 2008

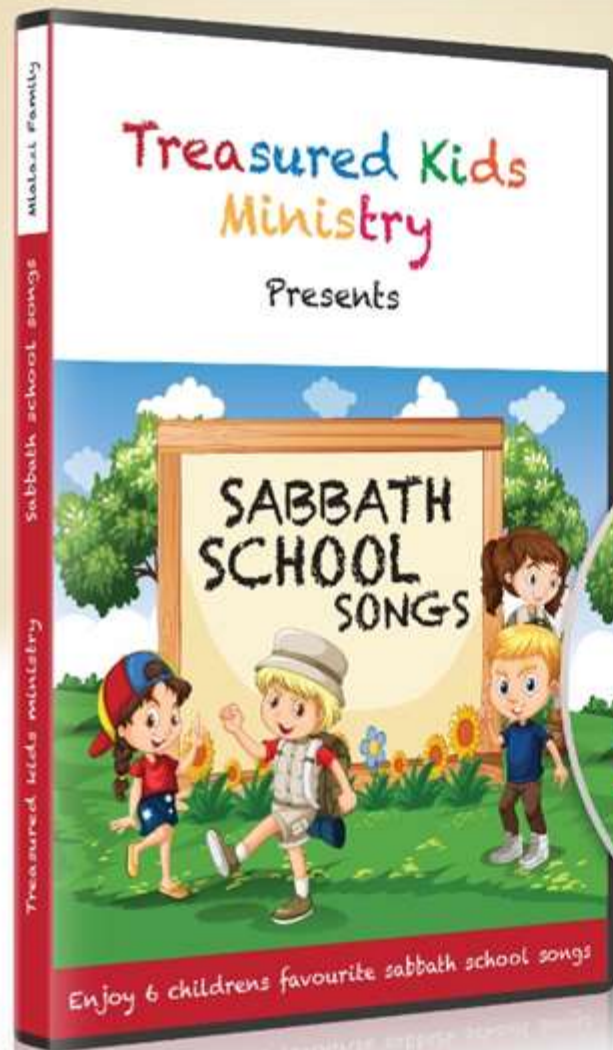
- **PASSION**

Founder - Treasured Kids Ministry

Authoured 8 Books

Produced 4 Dvds





# REQUIREMENTS

## **1. DEFINE THE FOLLOWING TYPES OF WATERFALLS AND GIVE ONE EXAMPLE OF EACH:**

- A. BLOCK
- B. CASCADE
- C. HORSETAIL
- D. PLUNGE
- E. SEGMENTED
- E. TIERED

## **2. CHOOSE 10 WATERFALLS, INCLUDING TWO FROM NEAR THE AREA OR STATE IN WHICH YOU LIVE, AND LIST THE FOLLOWING INFORMATION ABOUT THEM:**

- NAME, TOTAL HEIGHT, WATERFALL TYPE, WATERCOURSE, LOCATION

## **3. COMPLETE TWO OF THE FOLLOWING ACTIVITIES:**

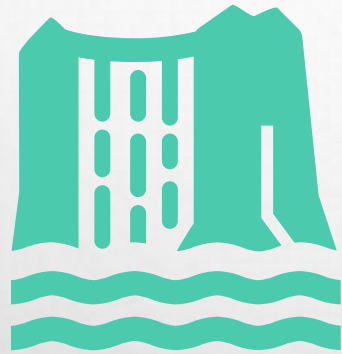
- A. VISIT A WATERFALL AND WRITE A PARAGRAPH TELLING ABOUT YOUR EXPERIENCE.
- B. CHOOSE A WATERFALL (OTHER THAN ONES IN #2) OF INTEREST TO YOU AND RECORD FACTS AND INTERESTING INFORMATION ABOUT THE FALLS THAT YOU HAVE SELECTED.
- C. WATCH A VIDEO ABOUT A WATERFALL.
- D. MAKE A SCRAPBOOK ABOUT WATERFALLS. INCLUDE PICTURES OF WATERFALLS AND IMPORTANT INFORMATION ABOUT EACH ONE. THIS MAY BE A GROUP PROJECT.

**USING THE INFORMATION PROVIDED, CREATE A CROSSWORD OR WORD SEARCH PUZZLE:**

- ANGEL/TALLEST WATERFALL IN THE WORLD AT 3212 FEET.
- BROWNE/TALLEST WATERFALL IN NEW ZEALAND.
- DETTIFOSS/WATERFALL FLOWING FROM A GLACIER IN ICELAND.
- HAVASU/WATERFALL ON AN INDIAN RESERVATION IN ARIZONA.
- HUANGGUOSHU/LARGEST WATERFALL IN CHINA.
- IGUAZU/275 FALLS ON THE BORDER OF ARGENTINA AND BRAZIL.
- LANGFOSS/GIANT CASCADE IN NORWAY, FALLING 2008 FEET.
- MARDALSFOSSEN/WELL KNOWN TIERED WATERFALL IN NORWAY.
- MULTNOMAH/TIERED WATERFALL ALONG THE COLUMBIA GORGE IN OREGON.
- NIAGARA/MOST POWERFUL WATERFALL IN NORTH AMERICA.
- SHOMYO/TALLEST YEAR-ROUND FALLS IN JAPAN.
- TAKKAKAW/CREE INDIAN NAME FOR A WATERFALL IN BRITISH COLUMBIA.
- TUGELA/2ND TALLEST WATERFALL IN THE WORLD, FOUND IN SOUTH AFRICA.
- VICTORIA/LARGEST WATERFALL IN THE WORLD.
- YOSEMITE/POPULAR TOURIST ATTRACTION IN A NATIONAL PARK IN CALIFORNIA.
- YUMBILLA/5TH TALLEST WATERFALL IN THE WORLD, 2ND TALLEST IN PERU

**4. WATER IS MENTIONED IN EACH OF THE FOLLOWING VERSES. DESCRIBE WHAT IS HAPPENING IN EACH VERSE, THEN TELL WHAT THE WATER SYMBOLIZES.**

- A. JOHN 9:11
- B. JOHN 13:5
- C. MATTHEW 3:16



What is a Waterfall?



Can you write your answers in  
the chat please?

# A WATERFALL IS...



a cascade of water falling from a height, formed when a river or stream flows over a precipice or steep incline.



A **waterfall** is an area where water flows over a vertical drop or a series of steep drops in the course of a stream or river. **Waterfalls** also occur where meltwater drops over the edge of a tabular iceberg or ice shelf.

The background of the slide is a light gray gradient. It is decorated with several realistic water droplets of various sizes and shapes, scattered across the top and bottom areas. The droplets have highlights and shadows, giving them a three-dimensional appearance.

# TYPES OF WATERFALLS



# BLOCK

- THE FALLING WATER HAS A CLEAR RECTANGULAR SHAPE. IT'S LIKE A SHEET OF WATER OVER THE UNDERLYING CLIFF FACE. THE BLOCK WATERFALL IS OFTEN WIDER THAN ITS HEIGHT.
- NIAGARA



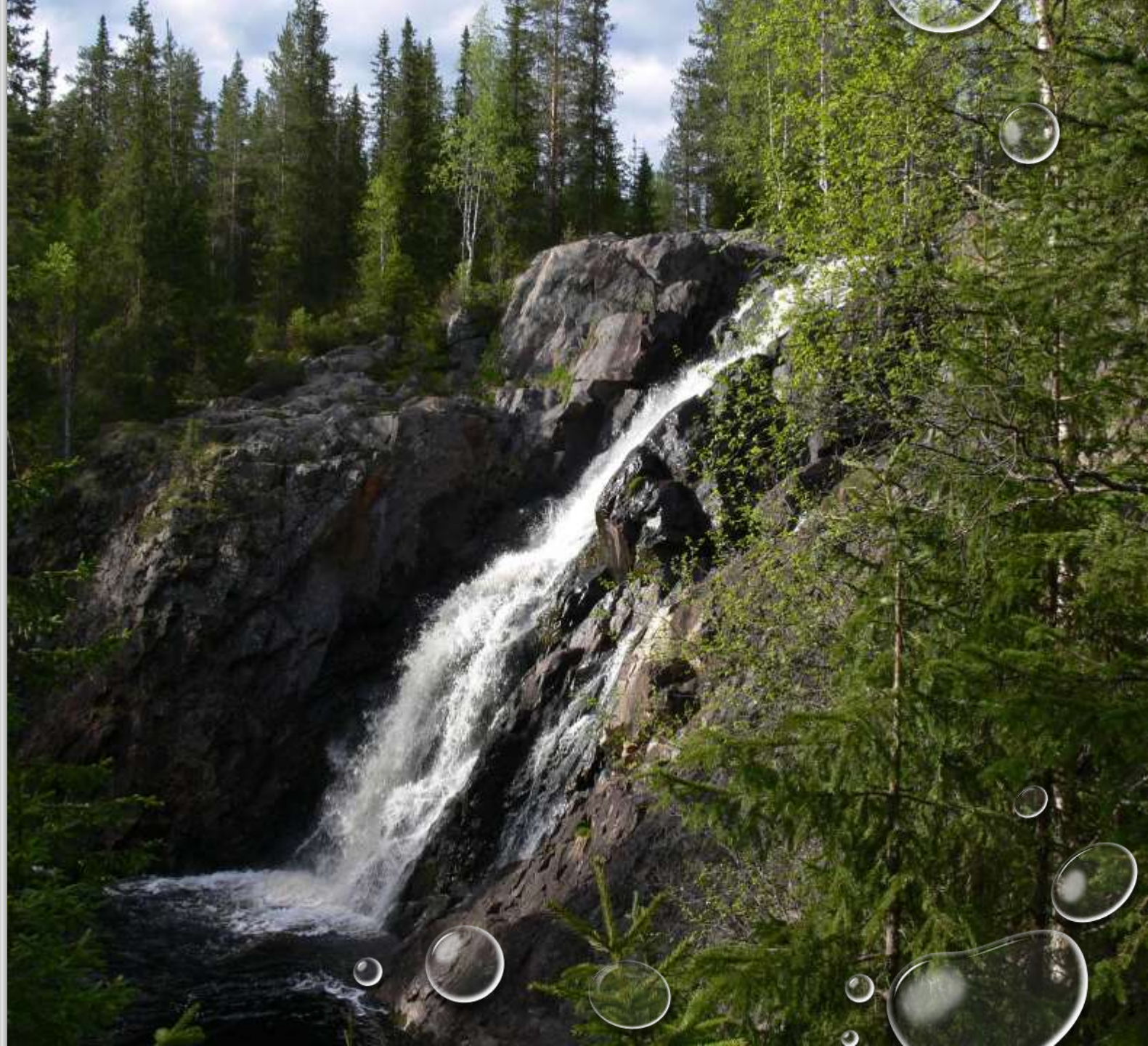
# CASCADE

- CASCADES ARE WATERFALLS WHERE THE WATER DESCENDS ALONG A SLOPED SURFACE WITH IRREGULAR SHAPE. USUALLY THE WATERFALL CONSISTS OF SEVERAL SMALL STEPS, ALTHOUGH OCCASIONALLY THERE CAN BE ALSO LARGE STEPS. ACCORDING TO THEIR STEEPNESS, CASCADES CAN YET BE SUB-CLASSIFIED AS **SHALLOW CASCADES** (ANGLE BELOW 45 DEGREES) AND **STEEP CASCADES** (ANGLE MORE THAN 45 DEGREES). CASCADE IS ONE OF THE MOST COMMON WATERFALL-TYPES IN THE WORLD
- DARK HOLLOW FALLS, SHENANDOAH NATIONAL PARK, NORTHERN VIRGINIA.



# HORSETAIL

- THE WATER DESCENDS MAINTAINING CONTACT WITH THE BEDROCK MOST OF THE TIME. OFTEN THE FALL IS STEEP AND THIN AND MAY RESEMBLE A HORSE'S TAIL.
  
- YOSEMITE NATIONAL PARK





# **PLUNGE**

- CLASSIC WATERFALL, WHERE THE WATER DESCENDS VERTICALLY, COMPLETELY LOSING CONTACT WITH THE BEDROCK SURFACE.
- RAINBOW FALLS IN HILO, HAWAII ISLANDS

# SEGMENTED

- **THE WATERCOURSE IS SEGMENTED INTO SEVERAL DISTINCT STREAM BEDS, EACH OF THEM FORMING THEIR OWN WATERFALL.**
- **MAGOD FALLS IN KARNATAKA, INDIA**





# **TIERED**

- **TIERED** – THE DROP HEIGHT OF THE WATERFALL IS DIVIDED ON SEVERAL DISTINCT STEPS.
- WHITE WATERFALL, CANADA



# 10 WATERFALLS





# 1. ANGEL

- **TALLEST WATERFALL IN THE WORLD**
- **ELEVATION: 1,283 M**
- **HEIGHT: 979 M**
- **LONGEST DROP: 807 M**
- **NUMBER OF DROPS: 2**
- **LOCATION: AUYÁN-TEPUI, CANAIMA NATIONAL PARK, BOLÍVAR STATE, VENEZUELA**



## 2. DETTI FOSS FALLS

- DETTI FOSS IS A WATERFALL IN VATNAJÖKULL NATIONAL PARK IN NORTHEAST ICELAND, AND IS REPUTED TO BE THE SECOND MOST POWERFUL WATERFALL IN EUROPE AFTER THE RHINE FALLS. DETTI FOSS IS SITUATED ON THE JÖKULSÁ Á FJÖLLUM RIVER, WHICH FLOWS FROM THE VATNAJÖKULL GLACIER AND COLLECTS WATER FROM A LARGE AREA IN NORTHEAST ICELAND.
- **HEIGHT:** 44 M
- **NUMBER OF DROPS:** 1
- **AVERAGE FLOW RATE:** 193 M<sup>3</sup>/S (6,816 CU FT/S)
- **WATERCOURSE:** [JÖKULSÁ Á FJÖLLUM](#)
- **LOCATION:** [NORTHEAST ICELAND](#)



# 3. HUANGGUOSHU FALLS

- HUANGGUOSHU WATERFALL, IS ONE OF THE LARGEST WATERFALLS IN CHINA AND EAST ASIA LOCATED ON THE BAISHUI RIVER IN ANSHUN, GUIZHOU PROVINCE. IT IS 77.8 M HIGH AND 101 M WIDE. THE MAIN WATERFALL IS 67 M HIGH AND 83.3 M WIDE. [WIKIPEDIA](#)
- **ADDRESS:** ZHENNING BUYEI AND MIAO AUTONOMOUS COUNTY, ANSHUN, GUIZHOU, CHINA
- **LONGEST DROP:** 78 M
- **PROVINCE:** [GUIZHOU](#)
- **PHONE:** [+86 851 3359 2136](#)
- **WATERCOURSE:** [PEARL RIVER](#)



# 4. LANGFOSS

- **LANGFOSSEN IS A WATERFALL LOCATED IN ETNE MUNICIPALITY IN VESTLAND COUNTY, NORWAY. THE WATERFALL IS LOCATED ABOUT 5 KILOMETRES SOUTHWEST OF THE VILLAGE OF FJÆRA. THE WATER FALLS DOWN A TOWERING MOUNTAIN, A TOTAL DISTANCE OF ABOUT 612 METRES BEFORE THE WATER LEAPS OUT INTO ÅKRAFJORDEN AT THE BASE OF THE MOUNTAIN.**
- **NUMBER OF DROPS: 1**
- **HEIGHT: 612 M**
- **ELEVATION: 228 M**
- **WIDTH: 107 M**
- **LONGEST DROP: 612 M**
- **LOCATION: [VESTLAND](#), [NORWAY](#)**



# 5. NIAGARA

- NIAGARA FALLS IS A GROUP OF THREE WATERFALLS AT THE SOUTHERN END OF NIAGARA GORGE, SPANNING THE BORDER BETWEEN THE PROVINCE OF ONTARIO IN CANADA AND THE STATE OF NEW YORK IN THE UNITED STATES. [WIKIPEDIA](#)
- [ADDRESS](#): NIAGARA FALLS, NY 14303, UNITED STATES
- [ELEVATION](#): 99 M
- [HEIGHT](#): 51 M
- [FLOW RATE](#): 2,400 M<sup>3</sup>/S
- [BRIDGES](#): [WHIRLPOOL RAPIDS BRIDGE](#), [RAINBOW INTERNATIONAL BRIDGE](#)



## 6. MARDALSFOSSEN

- MARDALSFOSSEN IS A WATERFALL IN MOLDE MUNICIPALITY IN MØRE OG ROMSDAL COUNTY, NORWAY. IT IS SOMETIMES REFERRED TO AS ONE OF THE TALLEST WATERFALLS IN EUROPE. THE FALLS ARE ON THE MARDØLA RIVER WHICH FLOWS OUT OF A HANGING VALLEY INTO THE LAKE EIKESDALSVATNET, ABOUT 2 KILOMETRES NORTHWEST OF THE VILLAGE OF EIKESDALEN.
- **ADDRESS:** 6472 EIKESDAL, NORWAY
- **HEIGHT:** 705 M
- **ELEVATION:** 907 M
- **PHONE:** [+47 71 23 11 00](tel:+4771231100)
- **AVERAGE FLOW RATE:** 3 M<sup>3</sup>/S (110 CU FT/S)





## 7. TUGELA

- TUGELA FALLS IS A COMPLEX OF SEASONAL WATERFALLS LOCATED IN THE DRAKENSBERG OF ROYAL NATAL NATIONAL PARK IN KWAZULU-NATAL PROVINCE, REPUBLIC OF SOUTH AFRICA. [WIKIPEDIA](#)
- [ADDRESS](#): ROYAL NATAL NATIONAL PARK, GIANTS CASTLE GAME RESERVE, SOUTH AFRICA
- [HEIGHT](#): 948 M
- [LONGEST DROP](#): 411 M
- [ELEVATION](#): 2,972 M (9,751 FT)

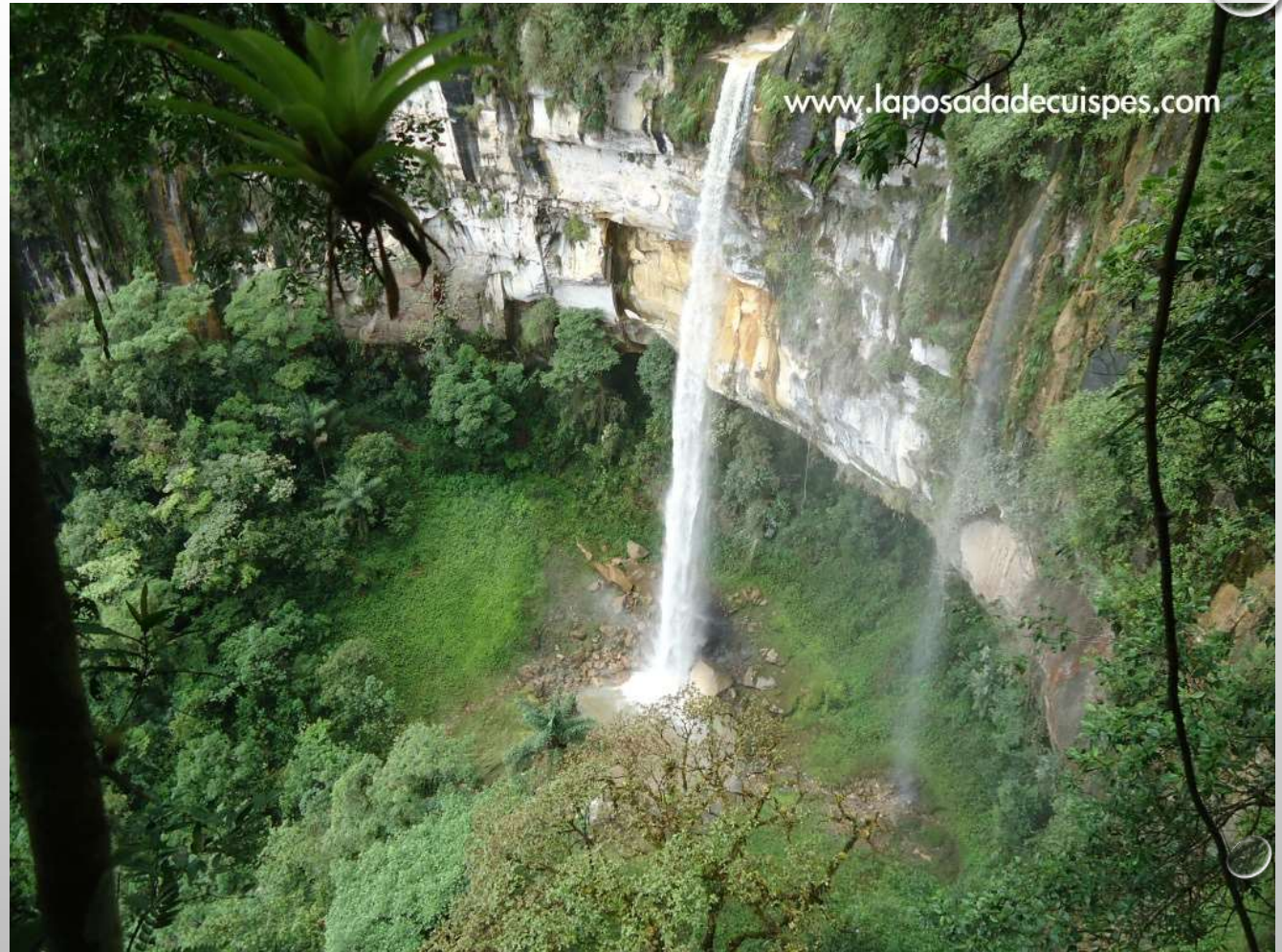
## 8. YOSEMITE

- **YOSEMITE FALLS IS THE HIGHEST WATERFALL IN YOSEMITE NATIONAL PARK, DROPPING A TOTAL OF 2,425 FEET FROM THE TOP OF THE UPPER FALL TO THE BASE OF THE LOWER FALL. LOCATED IN THE SIERRA NEVADA OF CALIFORNIA, IT IS A MAJOR ATTRACTION IN THE PARK, ESPECIALLY IN LATE SPRING WHEN THE WATER FLOW IS AT ITS PEAK. [WIKIPEDIA](#)**
- **[ADDRESS](#): YOSEMITE VILLAGE, CA 95389, UNITED STATES**
- **[ELEVATION](#): 1,647 M**
- **[HEIGHT](#): 739 M**
- **[NUMBER OF DROPS](#): 3**
- **[LONGEST DROP](#): 1,430 FT (436 M)**



## 9. YUMBILA

- **YUMBILLA FALLS IS THE NAME OF A WATERFALL LOCATED NEAR THE TOWN OF CUISPES, IN THE NORTHERN PERUVIAN REGION OF AMAZONAS. IT IS CONSIDERED THE WORLD'S FIFTH TALLEST WATERFALL, BECOMING INTERNATIONALLY KNOWN SINCE LATE 2007 DUE TO A GEOGRAPHICAL SURVEY CONDUCTED BY THE GEOGRAPHICAL INSTITUTE OF PERU.**
- **ADDRESS: 01140, PERU**
- **NUMBER OF DROPS: 4**
- **WORLD HEIGHT RANKING: 5**
- 





# 10. VICTORIA

- **VICTORIA FALLS IS A WATERFALL ON THE ZAMBEZI RIVER IN SOUTHERN AFRICA, WHICH PROVIDES HABITAT FOR SEVERAL UNIQUE SPECIES OF PLANTS AND ANIMALS. IT IS LOCATED ON THE BORDER BETWEEN ZAMBIA AND ZIMBABWE AND IS CONSIDERED TO BE ONE OF THE WORLD'S LARGEST WATERFALLS DUE TO ITS WIDTH OF 1,708 METRES.**
- **[ADDRESS](#): MOSI-O-TUNYA ROAD, LIVINGSTONE, ZAMBIA**
- **[ELEVATION](#): 885 M**
- **[HEIGHT](#): 108 M**
- **[AVERAGE FLOW RATE](#): 1088 M<sup>3</sup>/S (38,430 CU FT/S)**






# **WATER IN THE BIBLE**

- **WATER** IS MENTIONED A TOTAL OF 722 TIMES IN THE **BIBLE**, MORE OFTEN THAN FAITH, HOPE, PRAYER, AND WORSHIP.


CAN THE PATHFINDERS NAME A BIBLE VERSE WHICH MENTIONS WATER?

PLEASE WRITE YOUR ANSWERS IN THE CHAT.



# **WATER IN THE BIBLE**


- WATER IS MENTIONED IN EACH OF THE FOLLOWING VERSES. DESCRIBE WHAT IS HAPPENING IN EACH VERSE, THEN TELL WHAT THE WATER SYMBOLIZES.
- A. JOHN 9:11
- HE REPLIED, “THE MAN THEY CALL JESUS MADE SOME MUD AND PUT IT ON MY EYES. HE TOLD ME TO GO TO SILOAM AND WASH. SO I WENT AND WASHED, AND THEN I COULD SEE.”



# **WATER IN THE BIBLE**

- WATER IS MENTIONED IN EACH OF THE FOLLOWING VERSES. DESCRIBE WHAT IS HAPPENING IN EACH VERSE, THEN TELL WHAT THE WATER SYMBOLIZES.
- B. JOHN 13:5

AFTER THAT, HE Poured WATER INTO A BASIN AND BEGAN TO WASH HIS DISCIPLES' FEET, DRYING THEM WITH THE TOWEL THAT WAS WRAPPED AROUND HIM.



# **WATER IN THE BIBLE**

- WATER IS MENTIONED IN EACH OF THE FOLLOWING VERSES. DESCRIBE WHAT IS HAPPENING IN EACH VERSE, THEN TELL WHAT THE WATER SYMBOLIZES.
- C. MATTHEW 3:16  
AS SOON AS JESUS WAS BAPTIZED, HE WENT UP OUT OF THE WATER. AT THAT MOMENT HEAVEN WAS OPENED, AND HE SAW THE SPIRIT OF GOD DESCENDING LIKE A DOVE AND ALIGHTING ON HIM.

# CHARADES

- IDENTIFY THE WATERFALL FROM THE DESCRIPTIONS GIVEN
- IF YOU KNOW THE ANSWER TYPE IT IN THE CHAT BOX