



Calgary, Alberta, T2A 6K4, Canada  
Phone: + 1 (403) 243-3285, Fax: + 1 (403) 243-6199  
E-mail: [cawst@cawst.org](mailto:cawst@cawst.org), Website: [www.cawst.org](http://www.cawst.org)

CAWST is a Canadian non-profit organization focused on the principle that clean water changes lives. Safe water and basic sanitation are fundamentals necessary to empower the world's poorest people and break the cycle of poverty. CAWST believes that the place to start is to teach people the skills they need to have safe water in their homes.

CAWST transfers knowledge and skills to organizations and individuals in developing countries through education, training and consulting services. This ever expanding network can motivate individual households to take action to meet their own water and sanitation needs.

One of CAWST's core strategies is to make knowledge about water common knowledge. This is achieved, in part, by developing and freely distributing education materials with the intent of increasing its availability to those who need it most. You should feel free to copy and distribute this document in any form, printed or electronic. If you wish to use any parts of this document in the creation of your own materials, please ensure that CAWST is properly acknowledged. Please include our website address: [www.cawst.org](http://www.cawst.org).

Feel free to include a link from your website to the CAWST website. Please do not host this document to download from your website as we will have updated versions from time to time. Please email us if you have any questions or feedback.

This document is open content and licensed under the Creative Commons Attribution Works 3.0 Unported License. To view a copy of this license, visit: <http://creativecommons.org/licenses/by/3.0>

You are free to:

Share – to copy, distribute and transmit this document

Remix – to adapt this document



Under the following conditions:

Attribution. You must give credit to CAWST as the original source of the document

CAWST and its directors, employees, contractors, and volunteers do not assume any responsibility for and make no warranty with respect to the results that may be obtained from the use of the information provided.

This presentation is used with  
Lesson Plan 5: Rainwater  
Harvesting Technology in the  
Rainwater Harvesting Trainer  
Manual.

Available at

[www.cawst.org/resources](http://www.cawst.org/resources)



# Rainwater Harvesting Technology



# Learning Expectation

1. Identify the scale of different rainwater harvesting systems.
2. Compare the two types of rainwater catchment systems.
3. Describe the three main components of any rainwater catchment system.



# Learning Expectation 1

- Identify the scale of different rainwater harvesting systems.



# Large Scale - Check Dam Yethadka, India



(India Together, 2006)



# Large Scale -Kitui Sand Dam, Kenya



(WOCAT)

# Large Scale - The Azagarfa hafir, Darfur, Sudan



(Practical Action, n.d.) [www.practicalaction.org](http://www.practicalaction.org)





# Medium Scale – Courtyard System, China



(Rainwater Toolkit, 2005)

# Medium Scale – Traditional Rainwater Harvesting, India



(Global Rainwater Harvesting Collective, n.d.)



# Small Scale – Household Catchment, Southeast Asia



(ITGD South Asia)



# Small Scale – Sari Rainwater Harvesting, Bangladesh



# Even Smaller Scale – Bucket Harvesting, Mexico



# Quick Chat

- With a partner, discuss the rainwater harvesting technology you found most interesting.





# Learning Expectation 2

- Compare the two types of rainwater catchment systems.

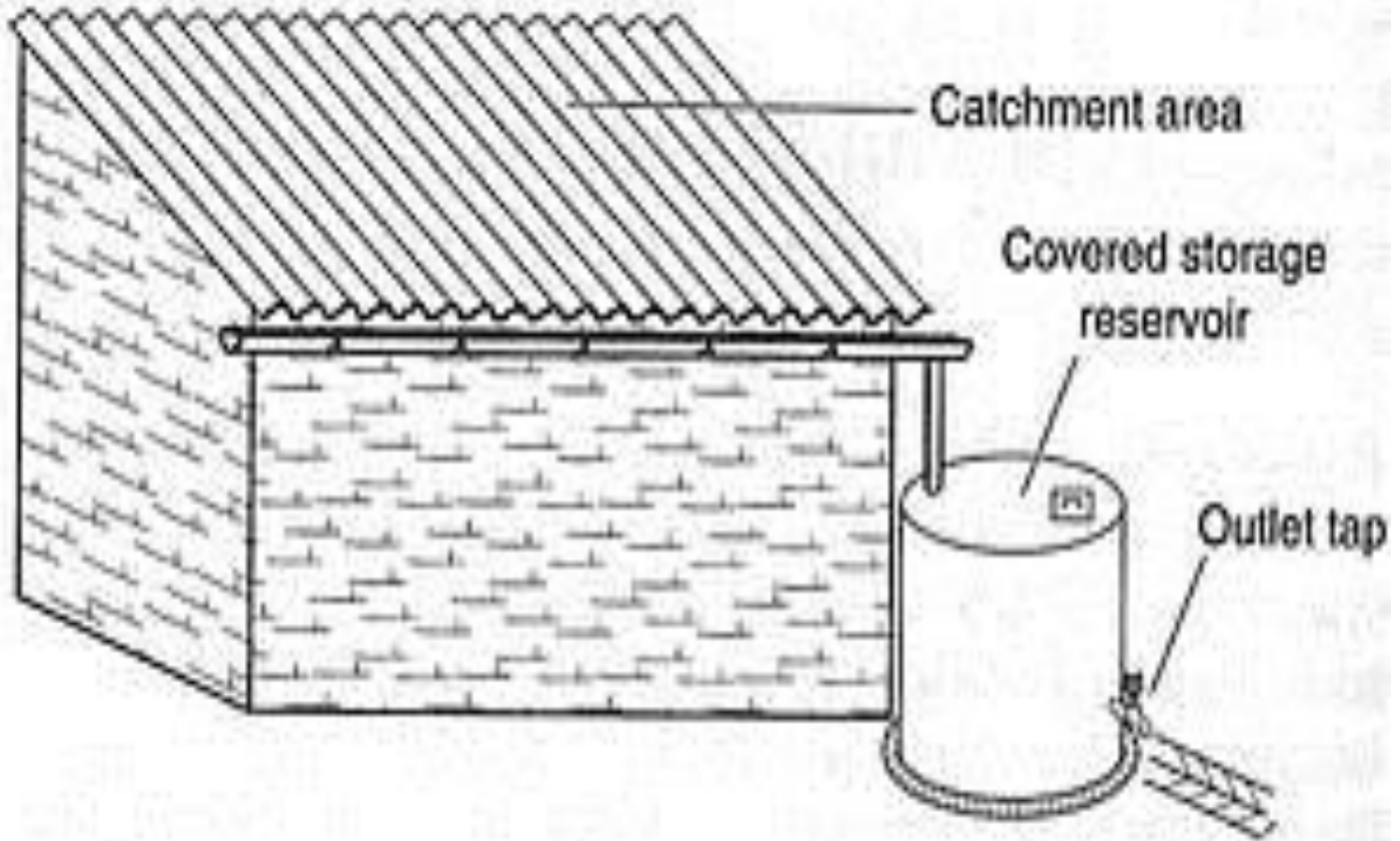


# Catchment Systems

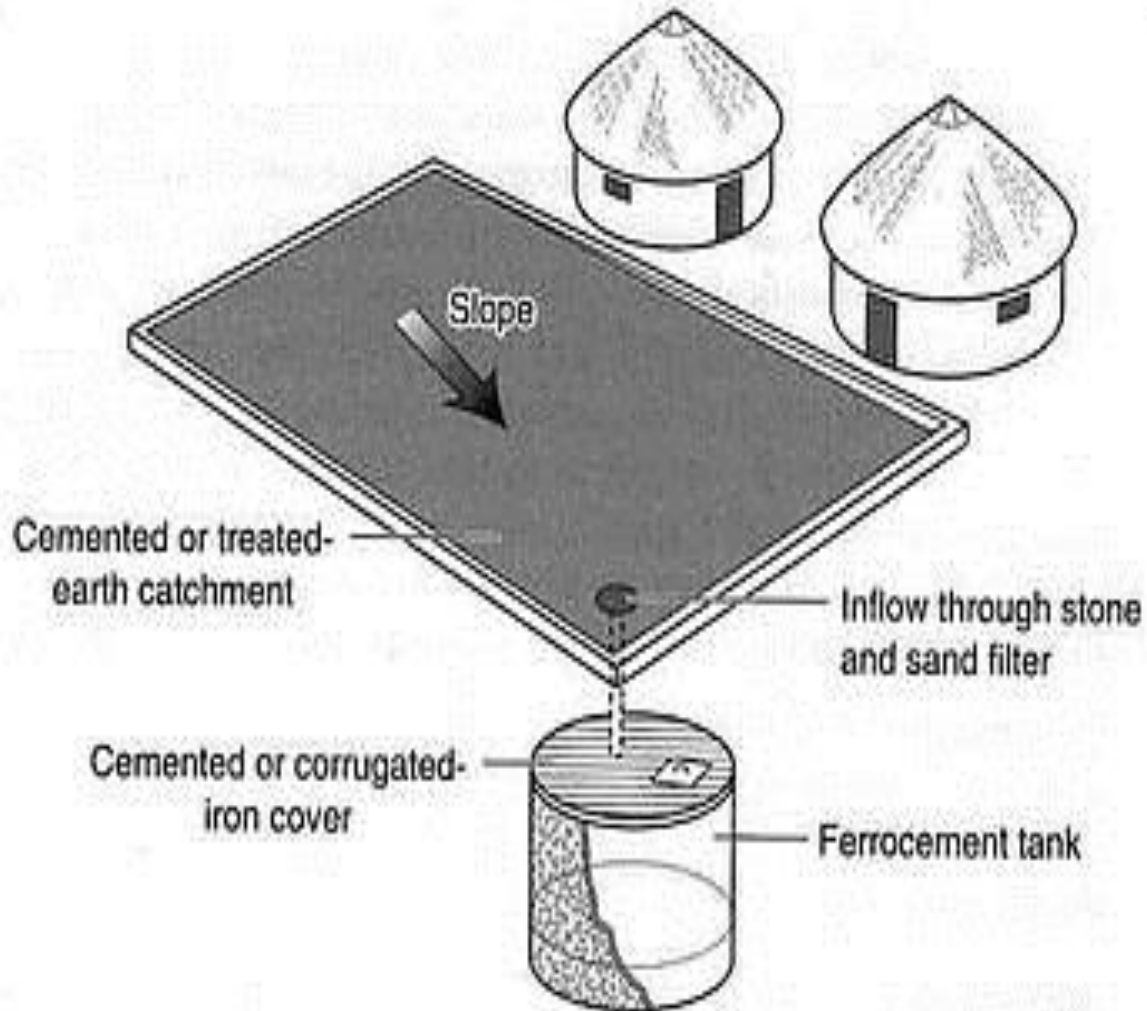
- 2 Types of catchment system
  - Roof Catchment
  - Ground Catchment



# Roof Catchment



# Ground Catchment



# Quick Chat

- What do the two systems have in common?



# Learning Expectation 3

- Describe the three main components of any rainwater catchment system.

*What do you think they are?*





## 3 Catchment Components

1. Catchment Area

2. Delivery System

3. Storage Reservoir

