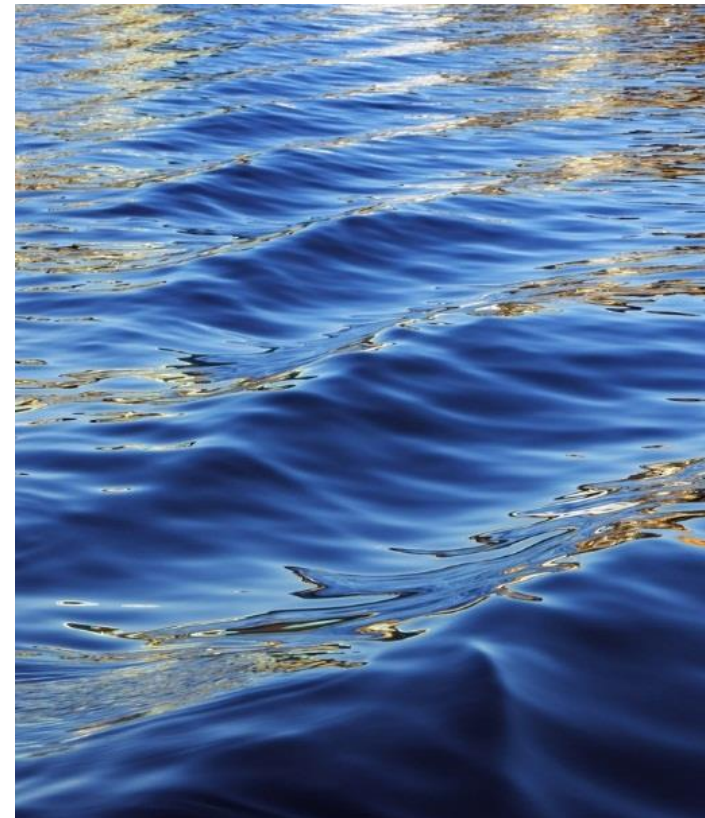




# Agriculture

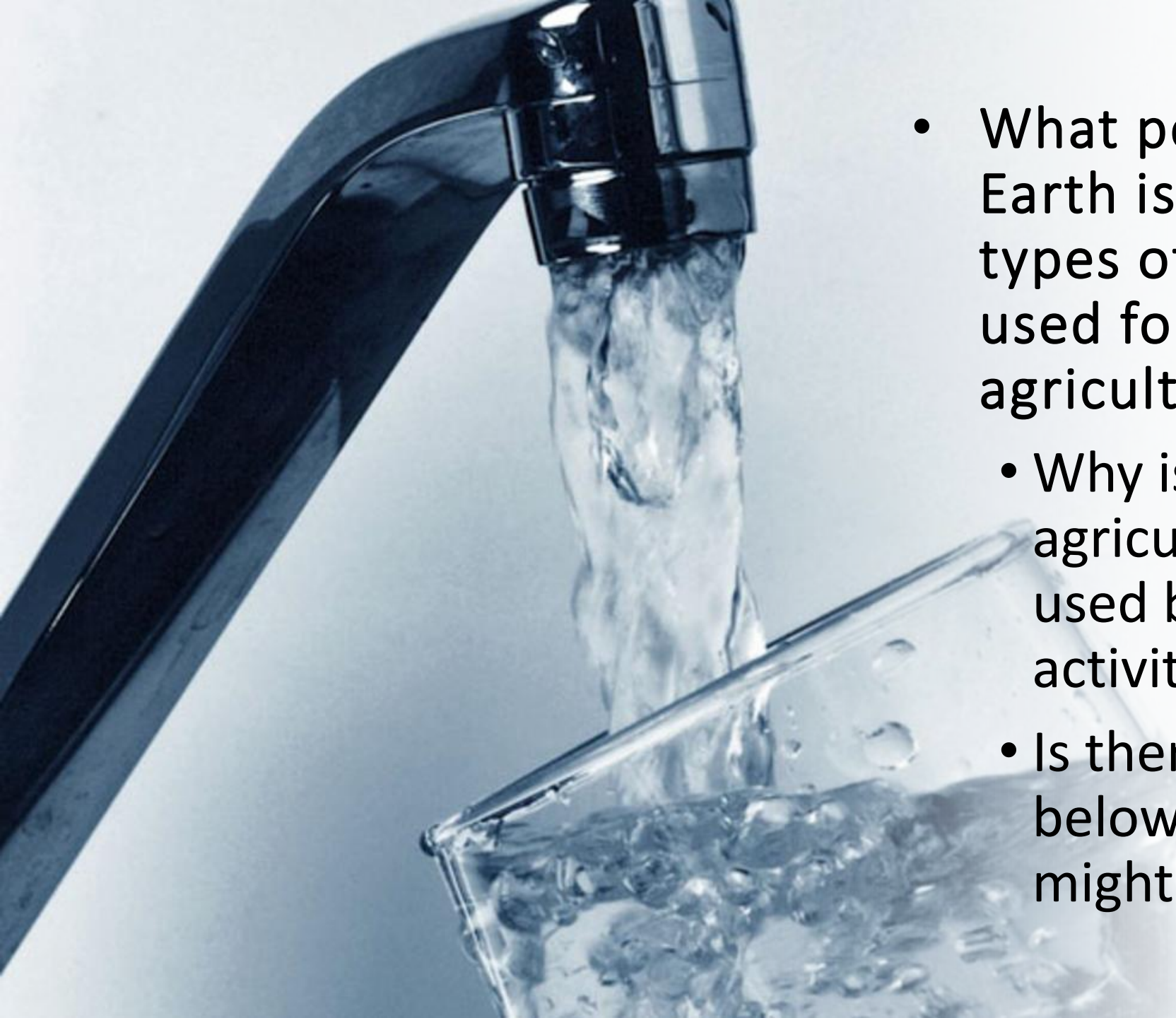


**EXTENSION**





# Water

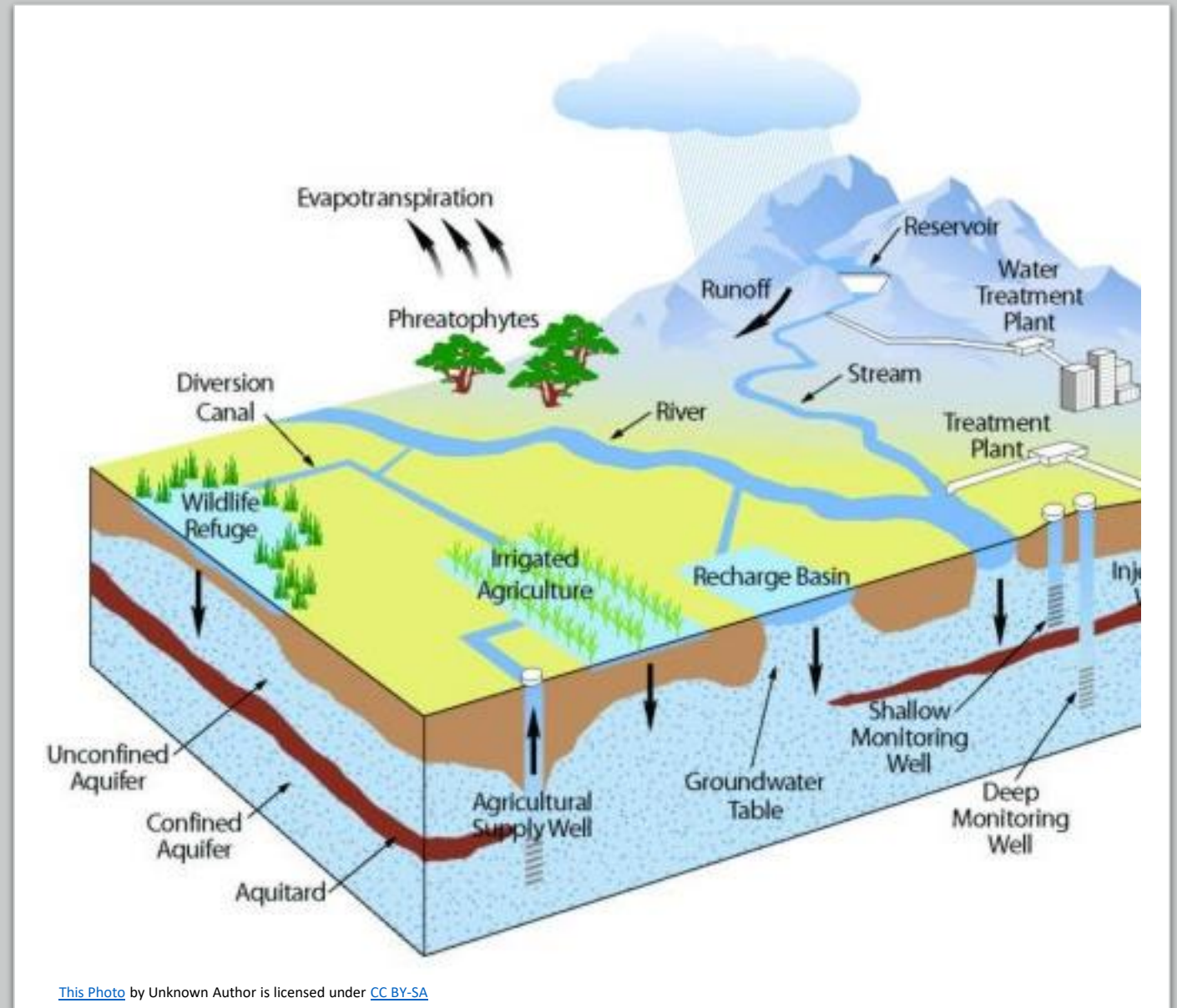


- What percentage of the Earth is water? Can all types of water on Earth be used for drinking and agriculture?
  - Why is water necessary for agriculture? How is water used by agricultural activities?
  - Is there also freshwater below the ground? How might it be accessed?

# What is an Aquifer?

An underground layer of sand, gravel, or rock whose many holes contain a usable supply of groundwater.

They are accessed by drilling and operating wells that supply water for irrigation, homes, power plants and factories.



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# Building an Aquifer

**STEP 1**



**STEP 2**

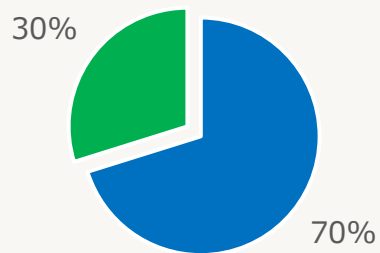


**STEP 3**



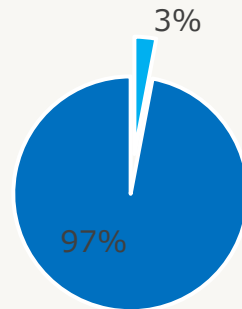
# Why Should We Conserve Water?

## Earth



■ Water ■ Land

## Earth's Water



■ Fresh Water ■ Salt Water

## Fresh Water (3%)

- Available water - 0.5%
- Unavailable water - 2.5%
  - Ice caps, glaciers - 68%
  - Ground water - 30%

# How We Conserve Water in Agriculture

- Raise plants and animals that require less water.
- Decrease evaporation by covering the soil with mulch.
- Build water harvesting/reuse systems and improve irrigation management.
- Store and apply farm chemicals and animal wastes carefully to avoid polluting groundwater and surface water.