

# SAMARITAN'S PURSE WATER PROJECTS

Turning on the tap to safe water for communities. 

*How big is the water problem in many African, Asian, and Latin American countries? Do people have enough water to drink? Is the water they consume safe? Can people die from drinking contaminated water? How fortunate are Canadians when it comes to having lots of safe water? Test your knowledge of water around the world by answering these questions. (Teachers: Answers are on a separate page at the bottom of this document.)*

## WATER FACTS and FALLACIES

1. 100 million people around the world are forced to try to survive drinking contaminated water. *TRUE or FALSE?*
2. 2.4 billion people lack access to improved sanitation, such as toilets. *TRUE or FALSE?*
3. 30 per cent of the world's fresh water is readily accessible for direct human use. *TRUE or FALSE?*
4. The world's six billion people are appropriating 20 per cent of all the accessible freshwater contained in rivers, lakes, and underground aquifers. *TRUE or FALSE?*
5. You can survive about a month without food, but can die in as short as two days without water. *TRUE or FALSE?*
6. BioSand Filters, installed by Samaritan's Purse in developing countries around the world, can operate on electricity, gasoline, or oil. *TRUE or FALSE?*
7. Sub-Saharan women walk, on average, about two kilometers every day in order to fetch water. *TRUE or FALSE?*
8. Every \$1 invested in water and sanitation creates, on average, another \$8 in costs saved and productivity gained. *TRUE or FALSE?*
9. Almost two in three people lacking access to safe water live on less than \$20 a day. *TRUE or FALSE?*
10. The 884 million or so people in the world who live more than one kilometer from a water source often survive on less than five liters of unsafe water a day. The average Canadian uses about 330 liters – the equivalent of about three baths – at home each day. *TRUE or FALSE?*
11. One drop of oil can make up to 25 liters of water unfit for drinking. *TRUE or FALSE?*
12. Every 10 minutes, someone dies from water-related diseases. *TRUE or FALSE?*
13. The Samaritan's Purse Household Water Program has brought safe water to nearly 1.5 million impoverished people around the world. *TRUE or FALSE?*
14. Thirty per cent of all cases of diarrhea are caused by unsafe drinking water, inadequate sanitation, and poor hygiene. *TRUE or FALSE?*

15. At any given time, 20 per cent of the world's hospital beds are occupied by patients with water-related diseases. *TRUE or FALSE?*
16. 4,500 children die each year from diarrhea. *TRUE or FALSE?*
17. Nothing has greater impact upon national development and public health than proper hygiene practices, providing safe drinking water, and properly disposing of human waste. *TRUE or FALSE?*
18. Safe water makes all the difference when it comes to improving the health of people.  
*TRUE or FALSE?*
19. Almost half of all people in developing countries are suffering at any given time from a health problem caused by water and sanitation problems. *TRUE or FALSE?*
20. On average, every dollar invested in water and sanitation provides an equal economic return.  
*TRUE or FALSE?*

## ANSWERS

1. *FALSE*. Believe it or not, 663 million people – approximately 11 per cent of the Earth’s population – are forced to try to survive drinking contaminated water.
2. *TRUE*. The lack of proper sanitation pollutes much of the water consumed by the world’s poorest people.
3. *FALSE*. Less than one per cent of the world's fresh water (or about 0.7 per cent of all water on earth) is readily accessible for direct human use.
4. *FALSE*. The world's six billion people are appropriating 54 per cent of all the accessible freshwater contained in rivers, lakes, and underground aquifers.
5. *TRUE*. You can become dehydrated in a remarkably short time. That’s why so many people carry water bottles.
6. *FALSE*. BioSand Filters don’t need any power source to operate. That’s one of the reasons they are so effective in developing countries, where fuel often costs more than families can afford.
7. *FALSE*. Sub-Saharan women walk, on average, around 10 kilometers each trip in order to fetch water. Some spend an entire day just getting water for their family.
8. *TRUE*. Safe water can improve the standard of living for an entire community because less time is lost to sickness and less money is spent on medicine to stop diarrhea.
9. *FALSE*. Almost two in three people lacking access to safe water live on less than \$2 a day. So they rarely have enough money to buy safe water, even if it was readily available.
10. *TRUE*. Here’s how residential indoor water use in Canada breaks down: toilet – 30 per cent; bathing and showering – 35 per cent; laundry – 20 per cent; kitchen and drinking – 10 per cent; cleaning – 5 per cent.
11. *TRUE*. We normally hear about oil spills harming ocean wildlife, but having oil in drinking water can cause long-term health problems in people.
12. *FALSE*. Every 24 seconds, someone – usually a child – dies from a water-related disease.
13. *TRUE*. Samaritan’s Purse Canada and its partners have built and installed over 260,000 BioSand Filters. Each filter provides all the daily water needs for up to 10 people.
14. *FALSE*. 88 per cent of all cases of diarrhea are caused by unsafe drinking water, inadequate sanitation, and poor hygiene.
15. *FALSE*. At any given time, *half* of the world’s hospital beds are occupied by patients with water-related diseases.
16. *FALSE*. Around 4,500 children die *daily* from diarrhea.
17. *TRUE*. When people have safe water, proper hygiene, and improved sanitation, their income and education levels increase and governments can spend less money on hospitals and doctors.
18. *FALSE*. Human health improvements are influenced not only by using safe water, but by hygiene habits and using sanitation facilities.
19. *TRUE*. That’s why the value of having safe drinking, cooking, and cleaning water cannot be over-estimated.
20. *FALSE*. On average, every dollar invested in water and sanitation provides an economic return of eight dollars.

## Sources:

1. "Progress on Drinking Water and Sanitation: 2012 Update." A Joint Report by UNICEF and the World Health Organization.  
[http://www.wssinfo.org/fileadmin/user\\_upload/resources/JMP-report-2012-en.pdf](http://www.wssinfo.org/fileadmin/user_upload/resources/JMP-report-2012-en.pdf).
2. "Progress on Drinking Water and Sanitation: 2012 Update." A Joint Report by UNICEF and the World Health Organization.  
[http://www.wssinfo.org/fileadmin/user\\_upload/resources/JMP-report-2012-en.pdf](http://www.wssinfo.org/fileadmin/user_upload/resources/JMP-report-2012-en.pdf).
3. "Human Development Report," United Nations Development Program, 2006.  
<http://hdr.undp.org/en/media/HDR06-complete.pdf>.
4. United Nations Water, 2012. <http://www.unwater.org/statistics.html>.
5. "A Good Practice Guide: Drinking Water, Biodiversity, and Development," Convention on Biological Diversity, 2010. <http://www.unwater.org/wwd10/downloads/cbd-good-practice-guide-water-en.pdf>.
6. "Samaritan's Purse: Turn on the Tap," Samaritan's Purse,  
<http://www.acgc.ca/09/images/file/developmentinabox/G2-SamarPurse.pdf>.
7. "The Millennium Development Goals Report," United Nations, 2012,  
<http://www.un.org/millenniumgoals/pdf/MDG%20Report%202012.pdf>.
8. "Human Development Report," United Nations Development Program, 2006.  
<http://hdr.undp.org/en/media/HDR06-complete.pdf>.
9. "Human Development Report," United Nations Development Program, 2006.  
<http://hdr.undp.org/en/media/HDR06-complete.pdf>.
10. "Human Development Report," United Nations Development Program, 2006.  
<http://hdr.undp.org/en/media/HDR06-complete.pdf>.
11. "Clean Water: Life Depends on It!" Government of Canada, 2011.  
<http://www.ec.gc.ca/eau-water/default.asp?lang=En&n=06F1403C-1>.
12. "Unsafe Water Kills More People Than War," UN News Centre, 2010.  
<http://www.un.org/apps/news/story.asp?NewsID=34150>.
13. "Turn on the Tap Program Report 2011" Samaritan's Purse.
14. "Progress on Drinking Water and Sanitation: 2012 Update." A Joint Report by UNICEF and the World Health Organization.  
[http://www.wssinfo.org/fileadmin/user\\_upload/resources/JMP-report-2012-en.pdf](http://www.wssinfo.org/fileadmin/user_upload/resources/JMP-report-2012-en.pdf).
15. United Nations Water, 2012. <http://www.unwater.org/statistics.html>
16. [http://www.unicef.org/wash/index\\_31600.html](http://www.unicef.org/wash/index_31600.html).
17. "Human Development Report," United Nations Development Program, 2006.  
<http://hdr.undp.org/en/media/HDR06-complete.pdf>.
18. World Health Organization and UNICEF "Joint Monitoring Programme (JMP),"  
<http://www.wssinfo.org/guided-tours/watsan-health/>.
19. World Health Organization and UNICEF "Joint Monitoring Programme (JMP),"  
<http://www.wssinfo.org/guided-tours/watsan-health/>.
20. "Human Development Report," United Nations Development Program, 2006.  
<http://hdr.undp.org/en/media/HDR06-complete.pdf>.