

Water Quiz Sheet – Drinking Water Treatment Process



GREEN-SCHOOLS
STAY HOME - WATER

This short video (5.29 minutes) released in 2018 by Irish Water looks at all the process water goes through to make it safe to drink and use in our everyday lives.



<https://www.youtube.com/watch?v=iYFwFRW0Eho>

Instructions: Watch the video in two parts and give yourself the quiz or do it as a group at home or online with a school group.

The 1st part of the quiz goes to 2.08mins then pause, answer the questions if by yourself or if doing it with others, someone asks the questions and each person/group answers. Then restart the video when you're ready and repeat the above for the 2nd part of the quiz.

Only go to page 4 when you're ready to correct the quiz answer sheet on page 3.

Questions:

Part 1:

1. Where do we get our drinking water from?
2. What is the water called that is unsafe to drink?
3. How long can the whole process to create safe drinking water take?
4. What is the first stage of the water treatment process called?
5. What sorts of things are taken out of water at the first treatment stage?
6. What is the name of the largest water treatment plant in Ireland?
7. How many people does the plant in the clip provide water to every day?
8. What is the name of the chemical added to water that helps smaller particles clump together into larger particles called flocs?

Stop video at 2.14 minutes

Part 2:

9. What is the name of the waste collected at the bottom of the settlement tanks?
10. What is the name of the special channels that clarified water is brought away in?
11. What is at the bottom of each filtration tank?
12. A) How long is the material at the bottom of the filtration tank used for?
B) What is used to clean this material?
13. What chemical is added to kill tiny organisms that might cause illness?
14. Why is fluoride added to drinking water?
15. Where is clean treated water held?
16. How much drinking water is treated in Ireland every day?

Answer Sheet:

Part 1 of Quiz (Stop video at 2.14 mins)	
Q 1.	
Q 2.	
Q 3.	
Q 4.	
Q 5.	
Q 6.	
Q 7.	
Q 8.	
Part 2 of Quiz (Restart Video at 2.14 min)	
Q 9.	
Q 10.	
Q 11.	
Q 12.	A) B)
Q 13.	
Q 14.	
Q 15.	
Q 16.	

Answers:

1. River, lakes, underground aquifers and resevoirs
2. Raw water
3. 3 Days
4. Screening
5. Leaves, sticks, fish
6. Ballymore Eustice, Co. Kildare
7. 1 million people
8. Alum
9. Sludge
10. Weirs
11. Sand
12. A) 10 years B) Air and water
13. Chlorine
14. To prevent tooth decay
15. In a resevoir
16. 1.7 Billion Litres

Learn more about the water treatment process here:

<https://www.epa.ie/media/Lesson%204%20Treating%20Our%20Water.pdf>

<https://www.water.ie/>

Curriculum Links include:

Primary – SESE, Junior Cycle – Science and Senior Cycle – Chemistry