

Water Quiz Sheet – From Drain to Sea



GREEN-SCHOOLS
STAY HOME - WATER

From Drain to Sea is a short video that looks at the various stages our wastewater goes through before it can be released back to rivers and sea. Click the link below to investigate.



<https://www.water.ie/wastewater/treatment/drain-to-sea/>

Instructions:

Watch the clip and give yourself the quiz (see questions on page 2) or do it as a group at home or online with a school group. Only go to page 4 when you are ready to correct the completed quiz answer sheet on page 3.

When correcting the quiz, you can give a point for each part of the question answered correctly (see page 3 answer sheet).

Questions:

1. What does wastewater contain?
2. What happens to the wastewater first?
3. What is taken out of the water at this first stage?
4. What is used as an energy source later?
5. What causes particles to settle (sink) at the bottom of the tank in the 2nd stage?
6. What are the next set of tanks called (3rd stage)?
7. How is organic matter reduced (broken down) in these tanks?
8. What is added to reduce unwanted nutrients like phosphates?
9. A) What is removed in the final stage (4th: Settlement)?
B) What is it used for?
10. What is the last thing to happen before the water is released?

Answer Sheet:

Q No.	Answer
Q 1.	1) 2) 3)
Q 2.	
Q 3.	1) 2) 3) 4)
Q 4.	1) 2)
Q 5.	
Q 6.	
Q 7.	
Q 8.	
Q 9.	A) B)
Q 10.	1) 2)

Answers:

1. Human waste, soaps and detergents
2. It's screened
3. Papers, plastic, waste and fats
4. Fats and oils
5. Gravity
6. Aeration tanks
7. Through a biological process
8. Chemicals
9. A) Sludge B) to generate electricity and is used as fertiliser
10. Sampling and laboratory testing

Learn more about the wastewater treatment process here:

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

Curriculum Links include:

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