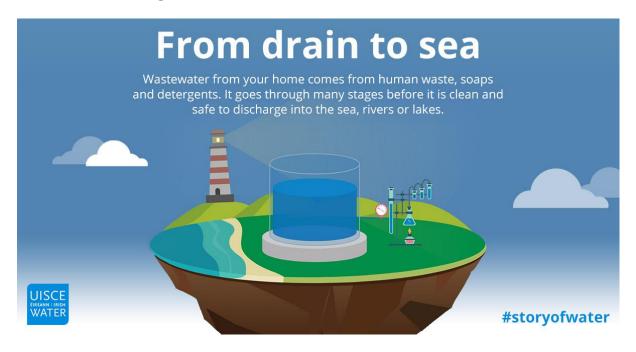


# GREEN-SCHOOLS STAY HOME - WATER

# Water Quiz Sheet -

From Drain to Sea

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 2<sup>nd</sup> 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				
Q1.	1)	2)		3)	
Q 2.					
Q 3.	1)	2)	3)	4)	
Q4.	1)	2)			
Q 5.					
Q 6.					
Q7.					
Q 8.					
Q 9.	A)	1	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. Samping and laboraroty testing

Learn more about the wastewater treatment process here: https://www.water.ie/wastewater/treatment/

#### Currucilum Links include:

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