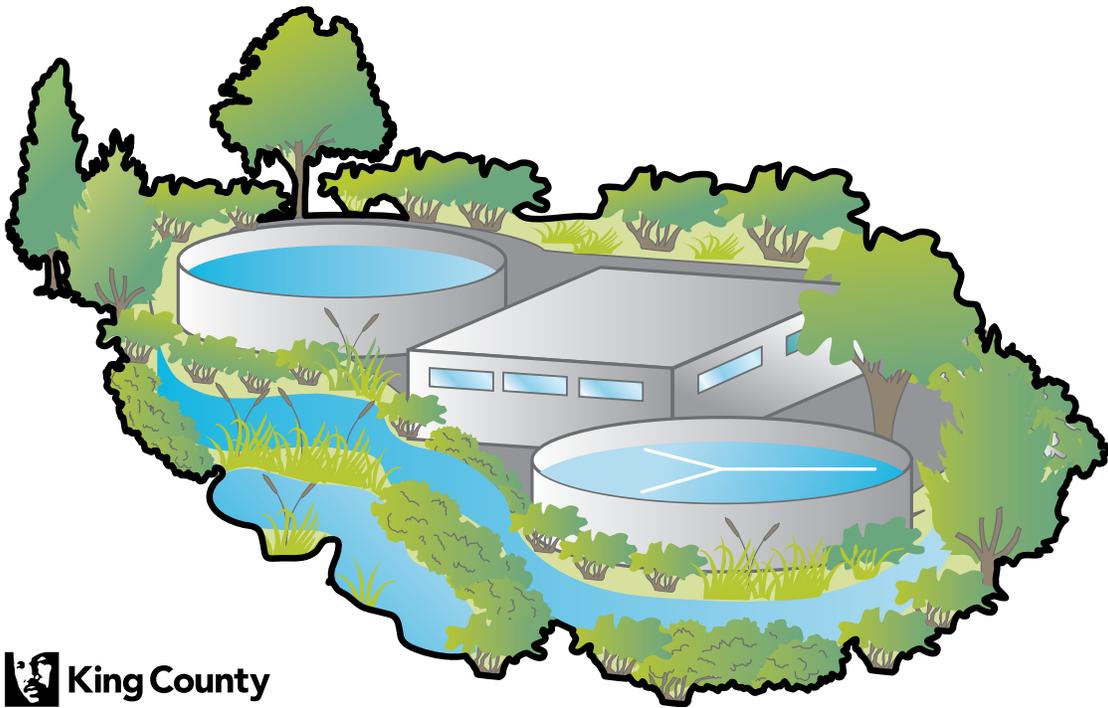


Wastewater Engineers



King County

Department of
Natural Resources and Parks
Wastewater Treatment Division

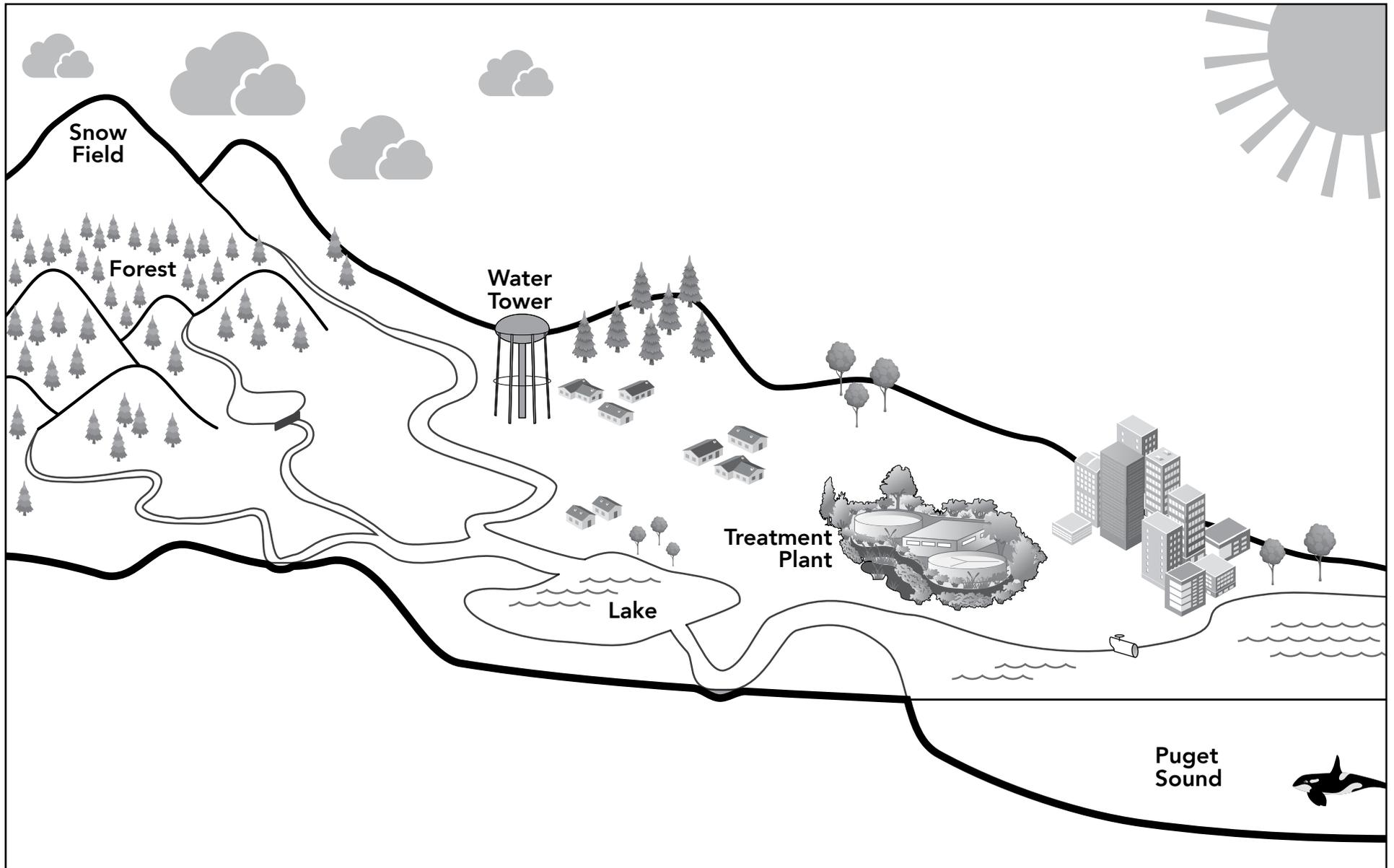
Name: _____

Date: _____

Educator's name: _____

Puget Sound Watershed

Add arrows to show how the water travels around the watershed and cities.

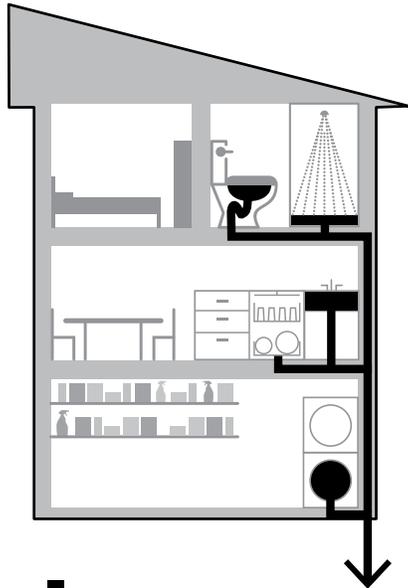


Wastewater Investigation

Where are drains located in a building?	What goes down the drain here?

Problem statement:

Treatment Plant Investigation

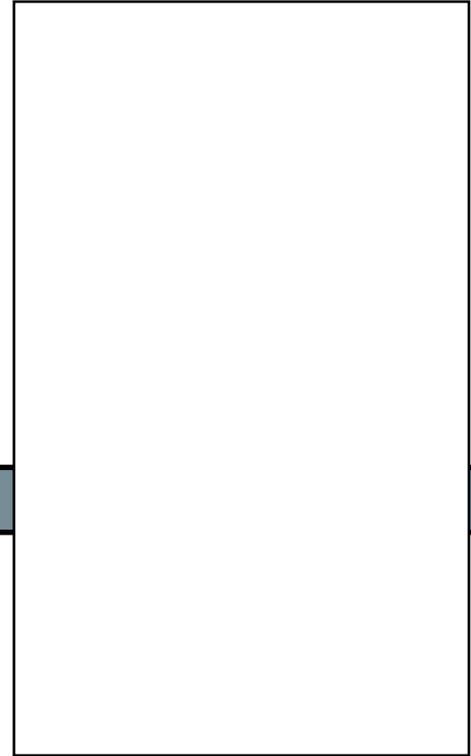


List the four categories of items in wastewater:

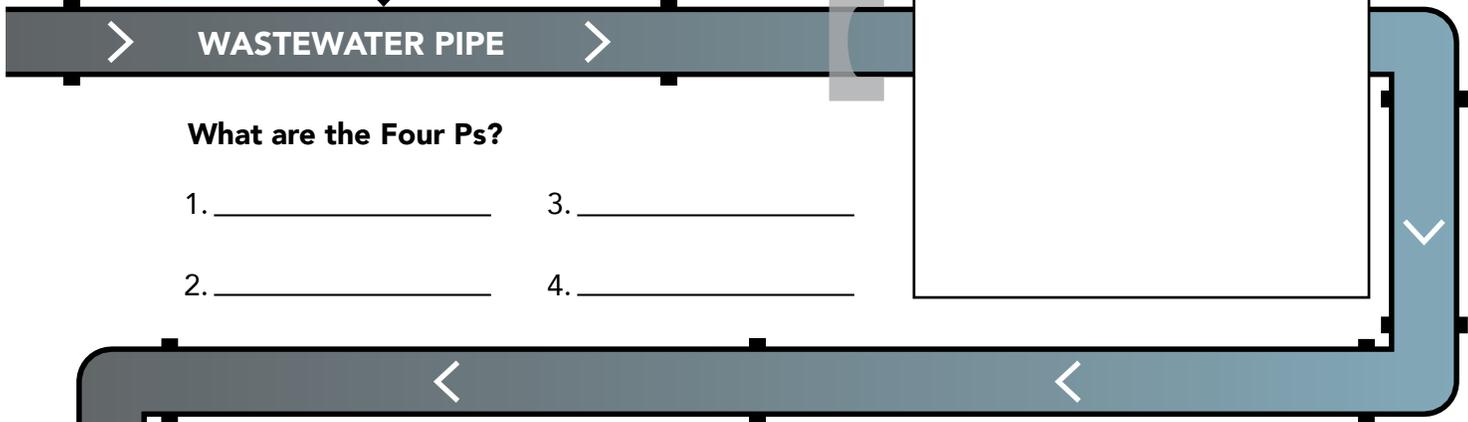
1. _____
2. _____
3. _____
4. _____

Step 1

People flush all kinds of Trash. How do we remove it? Draw and label in box.



ENTERS TREATMENT PLANT

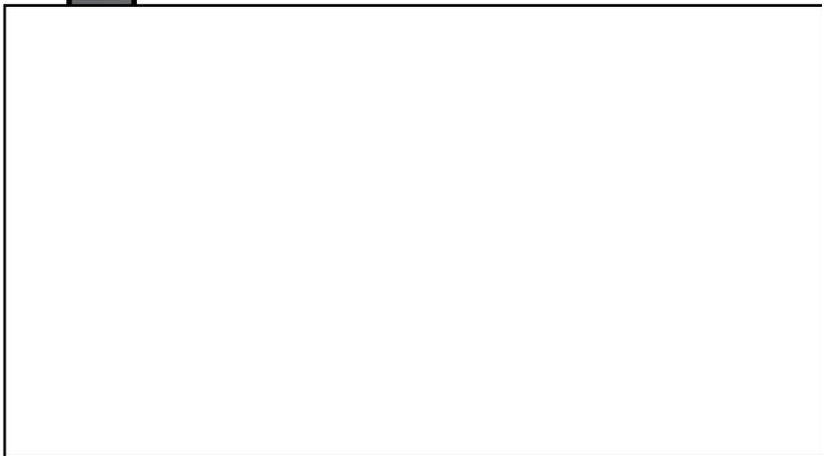


What are the Four Ps?

- | | |
|----------|----------|
| 1. _____ | 3. _____ |
| 2. _____ | 4. _____ |

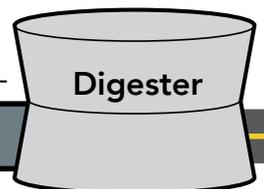
Step 2

Big Poop, Food, and Grease is removed in this tank. Draw and label how it is removed.



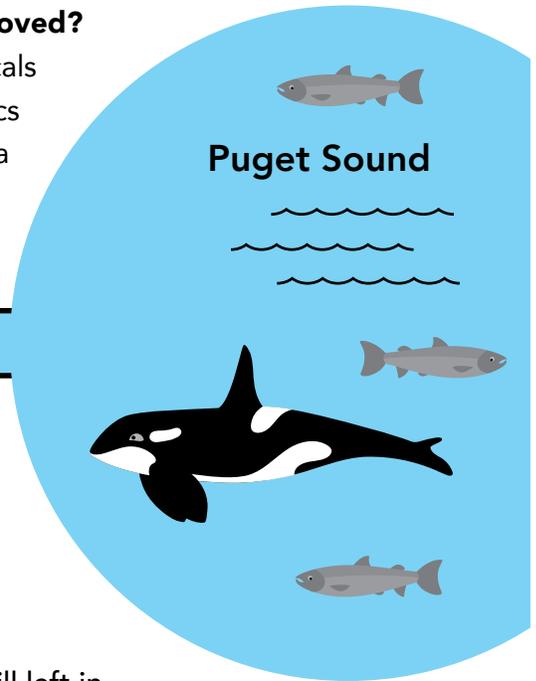
Where is this pipe headed?

What is in this pipe?



Which items have been removed?

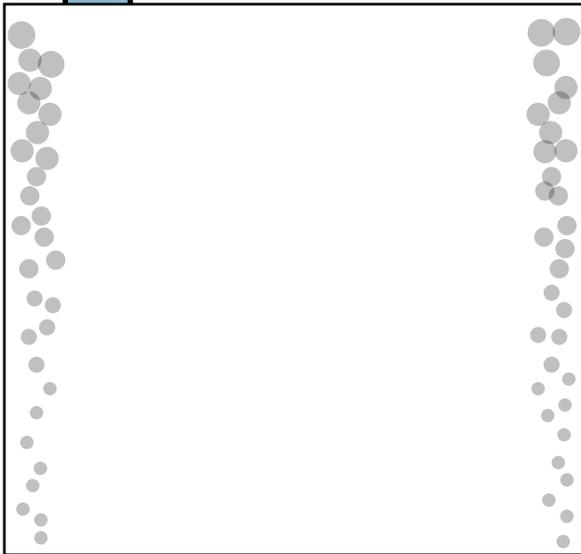
- Chemicals
- Organics
- Bacteria
- Trash



Disinfection

Step 3

Draw and label the **Microscopic Ecosystem** happening in this tank.



What is being added to this tank?

1. _____
2. _____

Step 4

What is still left in the cleaned water that goes back to **Puget Sound**?

1. _____

What two **Recycled Resources** are made from this process?

1. _____
2. _____



What did you learn today?

Stewardship: What is one thing you can do to help the wastewater treatment plant?

