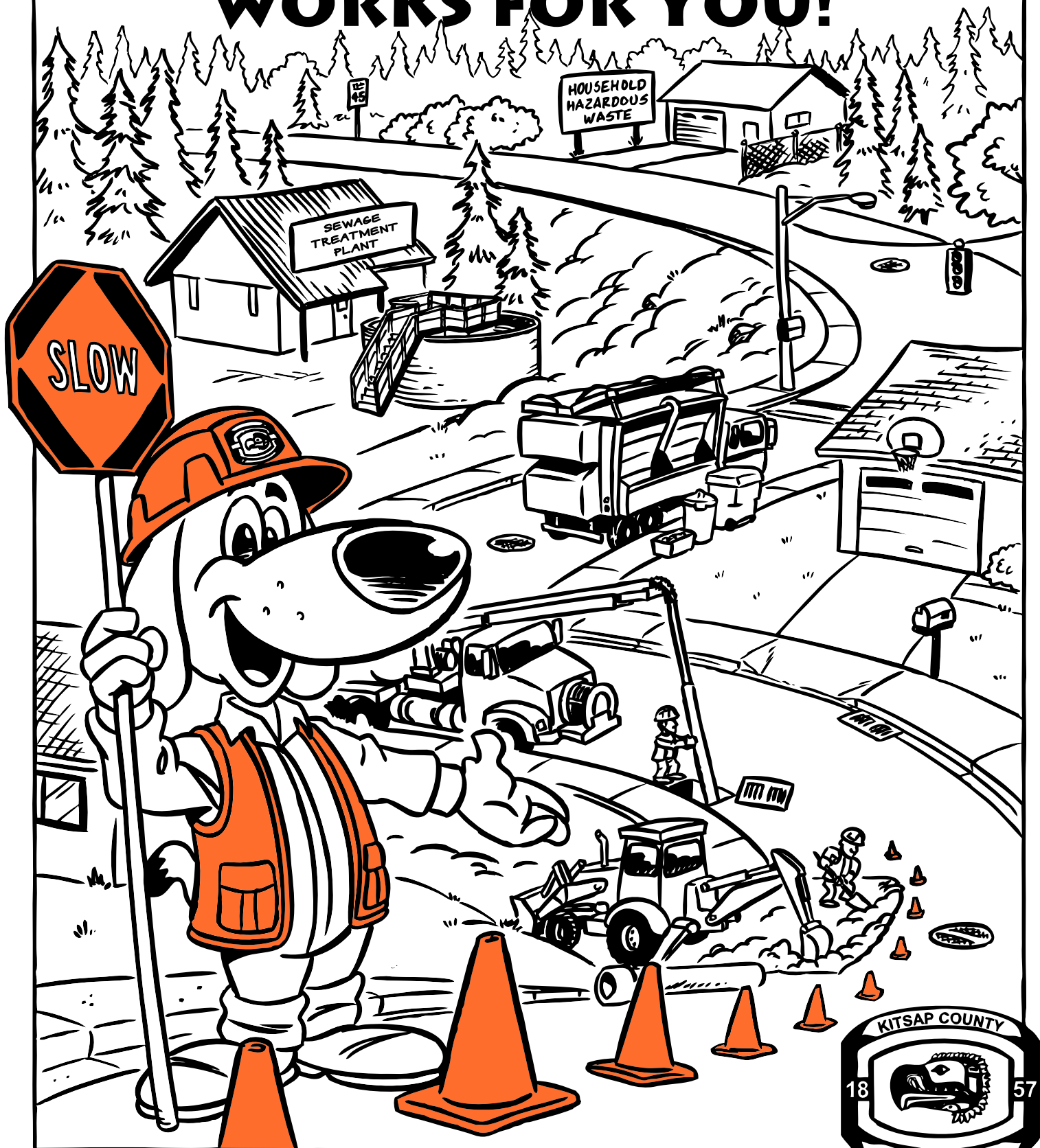


PUBLIC WORKS

WORKS FOR YOU!





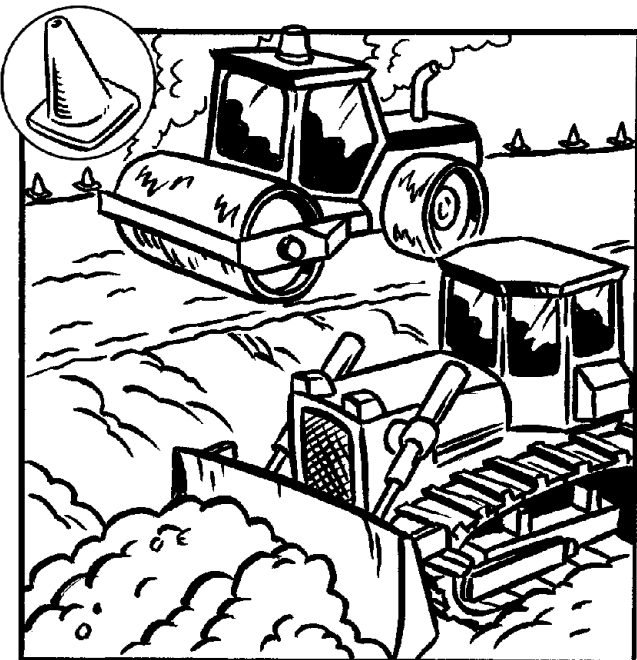
Pothole the Public Works pup will show you what Public Works does for us.



Public Works does a lot for our community

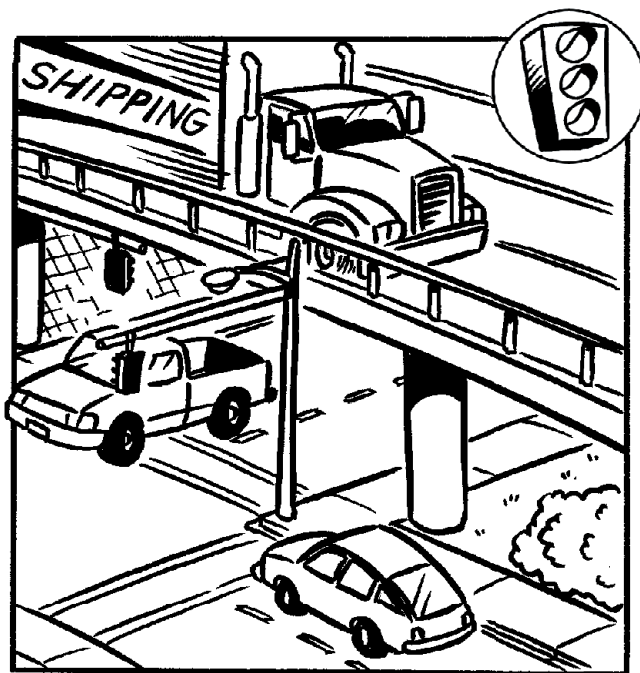
Road Construction

This Division designs, builds, and maintains roads. They make the roads we have wider and safer. They maintain our roads by filling potholes and laying new asphalt.



Traffic and Transportation Planning

Traffic includes signs, signals, and striping. These are needed to keep people safe on the roads. Transportation planning helps vehicles and people move through an area.



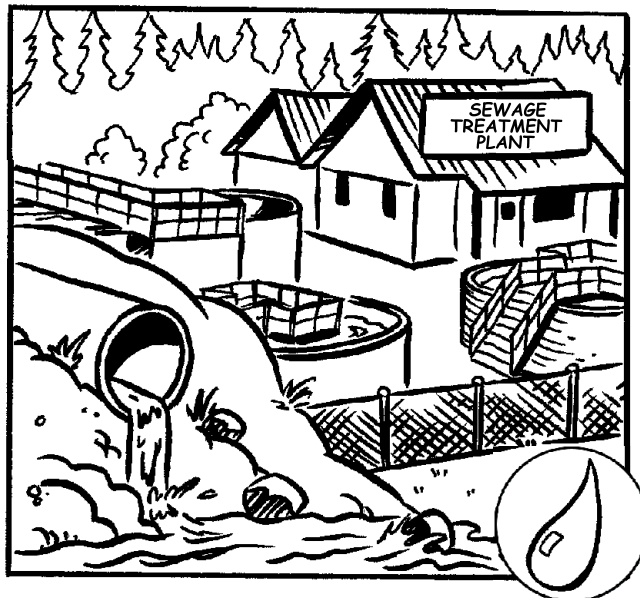
Solid Waste

The Solid Waste Division takes care of trash, recycling, and household hazardous waste. Our goal is to reduce how much we send to the landfill. We do this by composting, reducing, reusing, and recycling right!

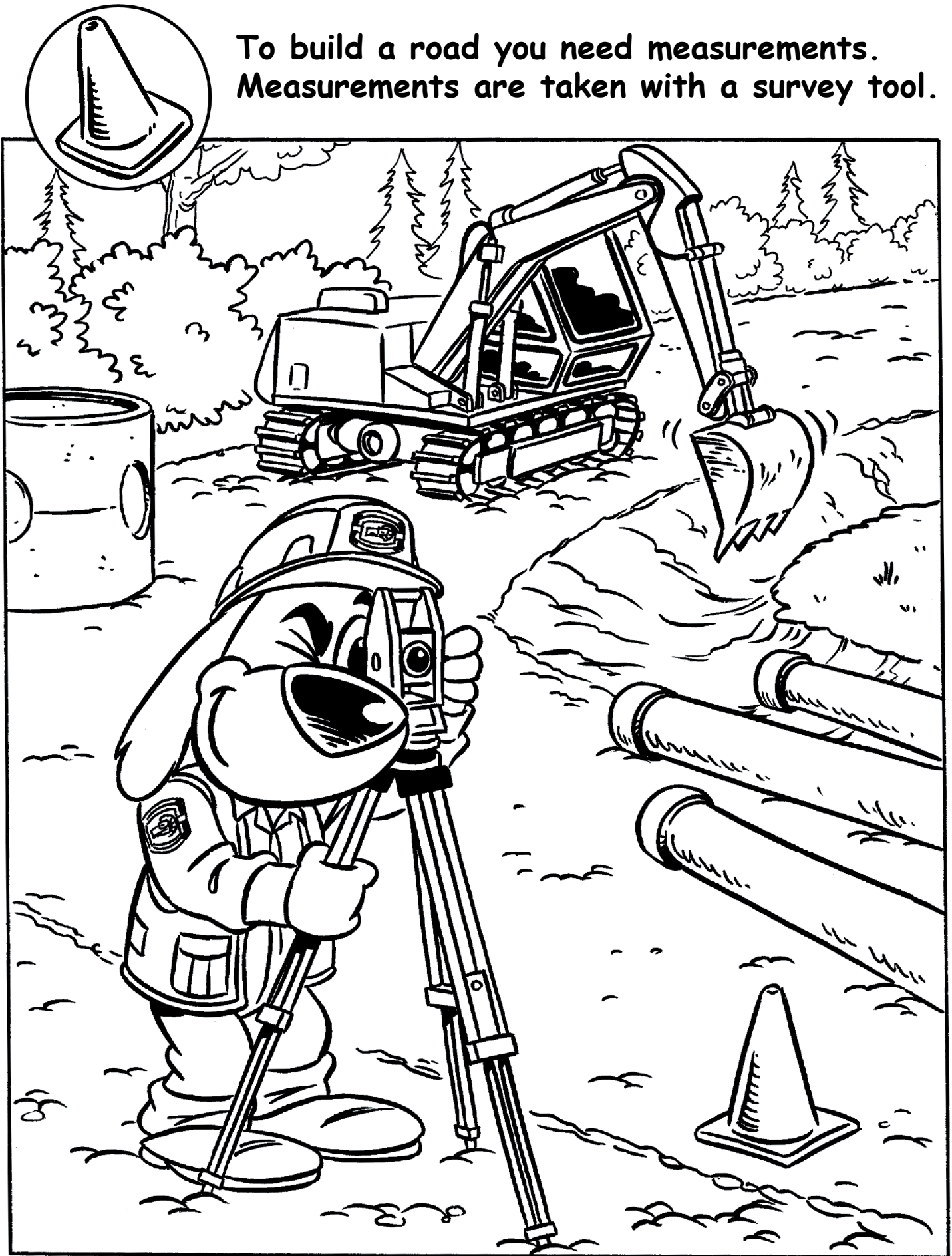


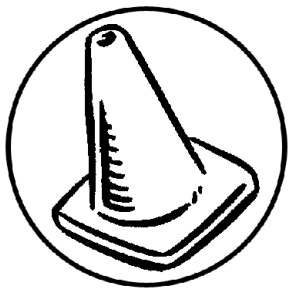
Stormwater and Sewer

The Stormwater Division takes care of the water after a rainstorm. They make sure our roads and buildings don't flood. The Sewer Division takes care of our sewer system. They make sure all of the water from our sink, toilets, and washers gets cleaned before it goes into Puget Sound.

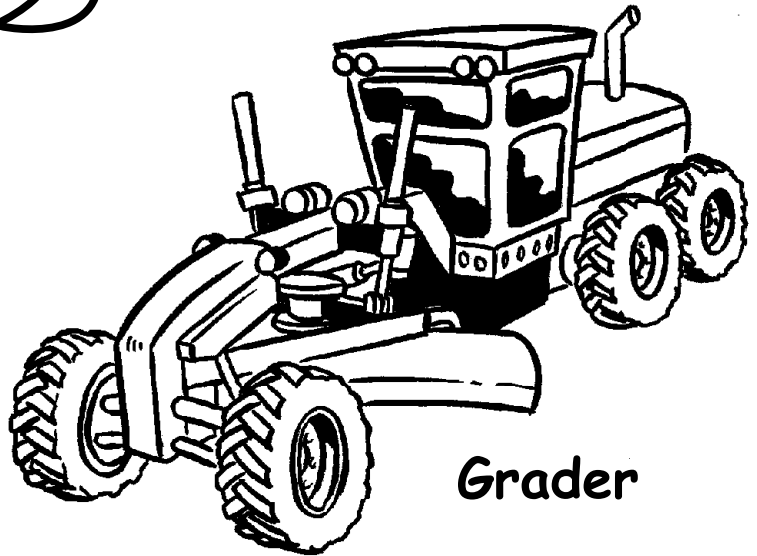


To build a road you need measurements.
Measurements are taken with a survey tool.

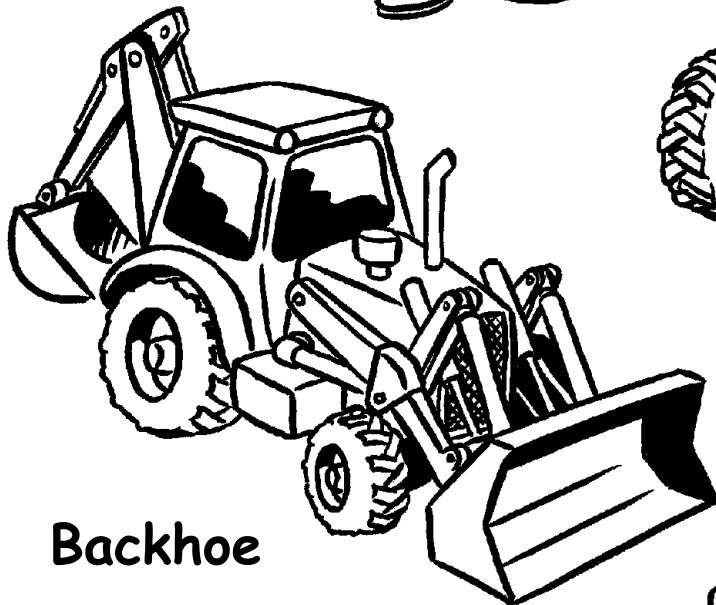




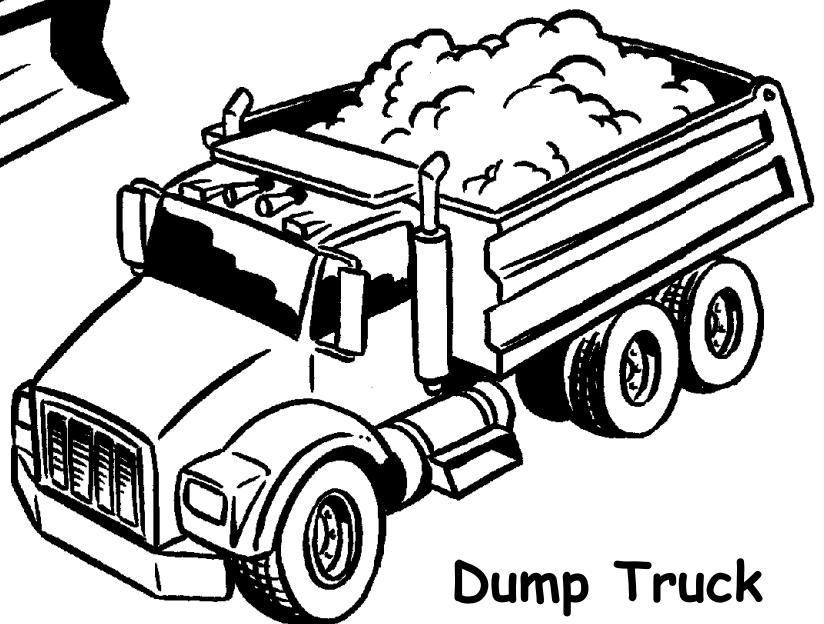
Trucks and equipment
are used to build roads.



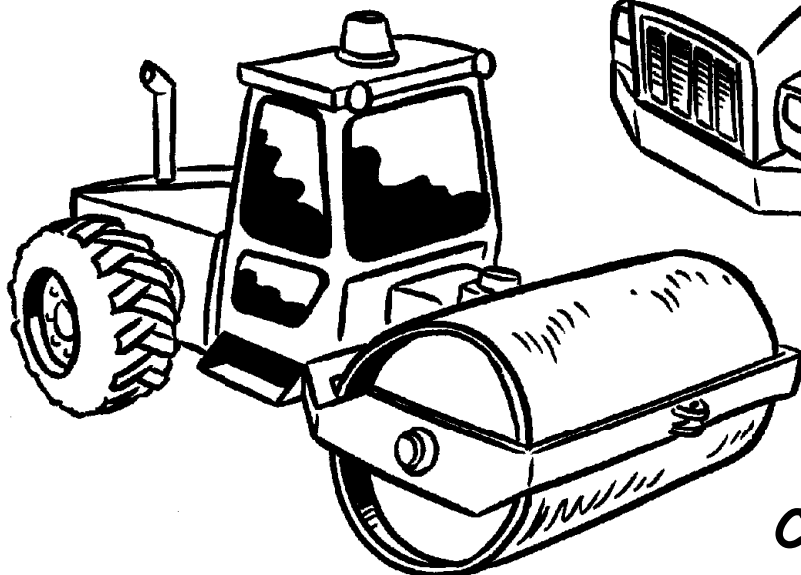
Grader



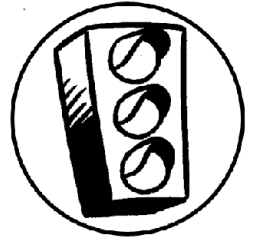
Backhoe



Dump Truck

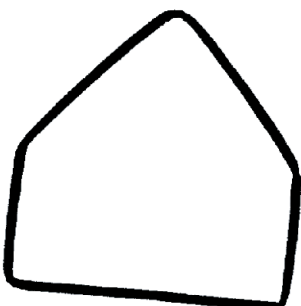
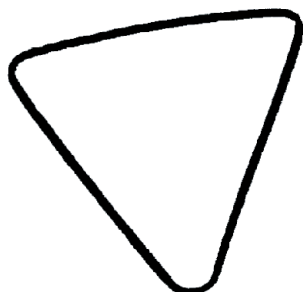
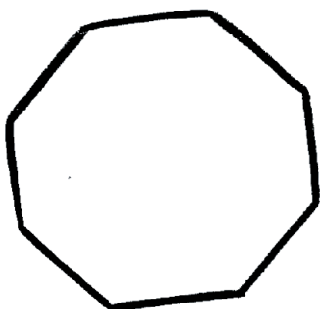
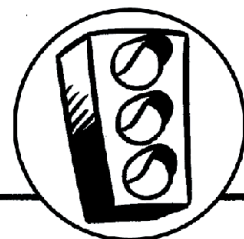


Compactor

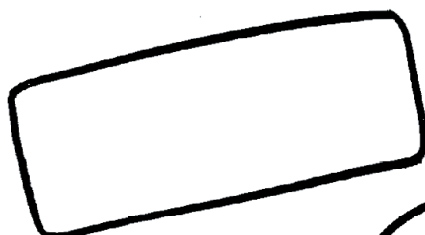




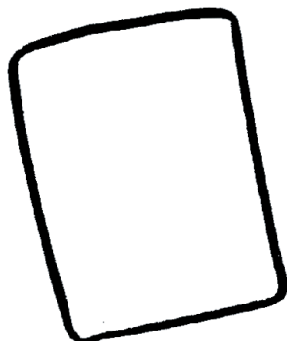
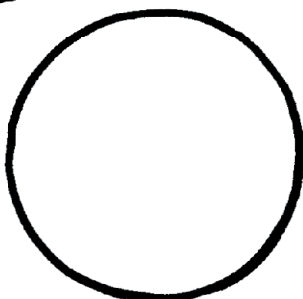
Match the shape in the first column with what goes in the sign from the second column.



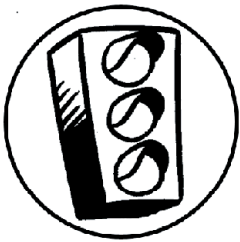
STOP



SPEED
LIMIT
25



YIELD



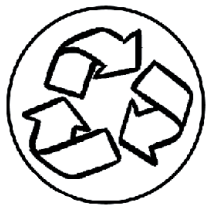
Safety Message Wheel

Start with the letter indicated and write every other letter as you go around the wheel to find the hidden message.



,





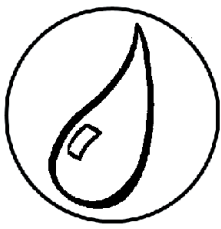
Recycling saves natural resources, energy, and landfill space. Check your local recycling guide to learn how to recycle right.



Garbage in Kitsap County is picked up by a truck and taken to the transfer station. Then the garbage is put on a train and sent to a landfill in Oregon.



Some things in your house are dangerous. Look for the words **CAUTION**, **WARNING**, **DANGER**, or **POISON**. If you see these words, don't touch! Tell an adult if you see a spill.



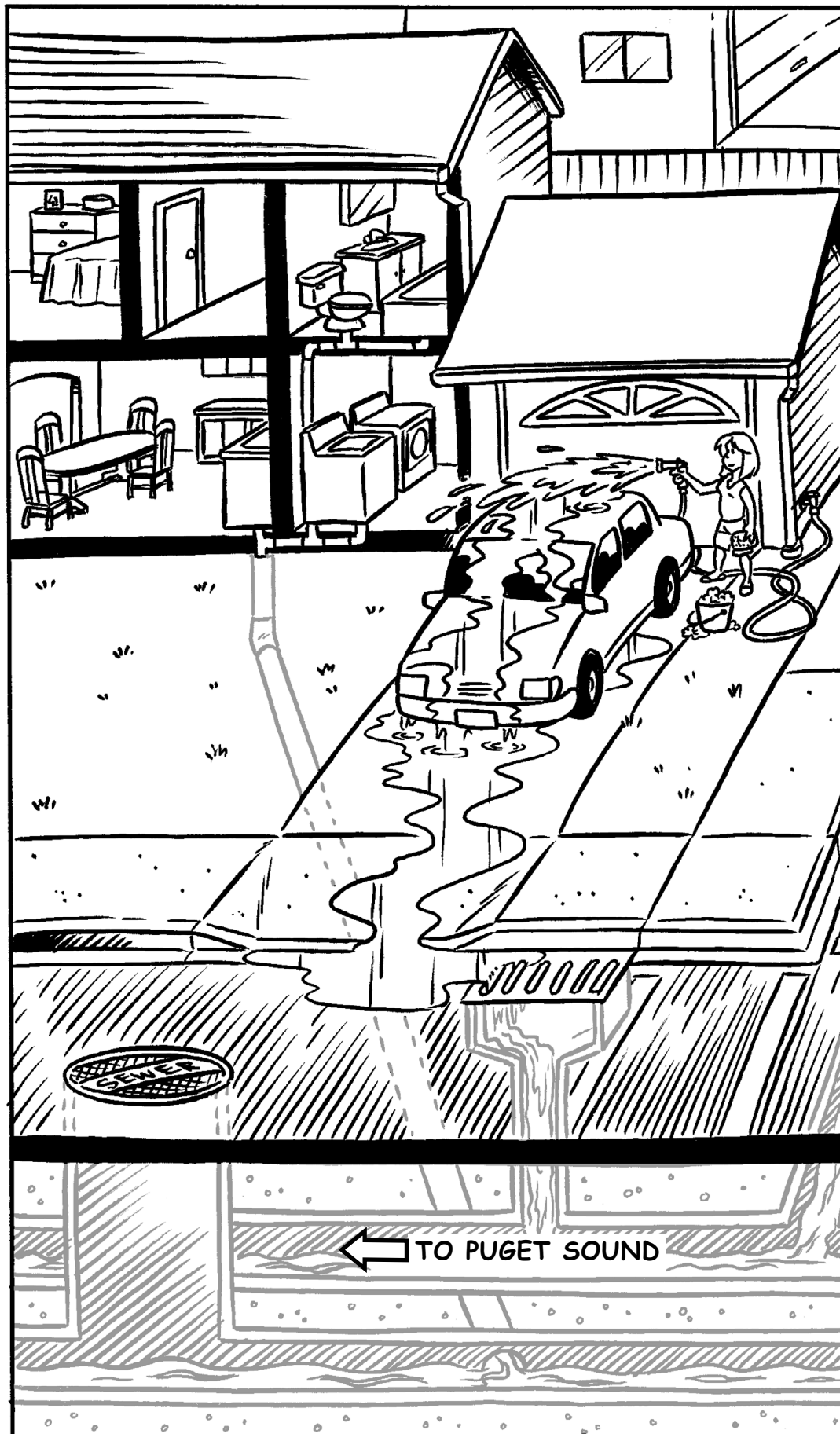
Stormwater and Sewer Systems

Wastewater is from inside your home. It's from sinks, toilets, baths, and washers. This water goes through the sewer to a treatment plant to be cleaned **BEFORE** it goes to Puget Sound.

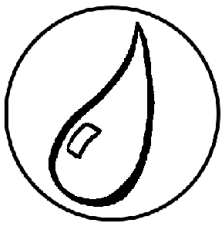
Stormwater is water and runoff from rain. It flows over roofs, roads, driveways, lawns, and other hard surfaces. Then it goes through storm drains and pipes **DIRECTLY** to streams and Puget Sound.

Color all the sewer covers green. How many are there? ____

Color all the storm drains blue. How many are there? ____



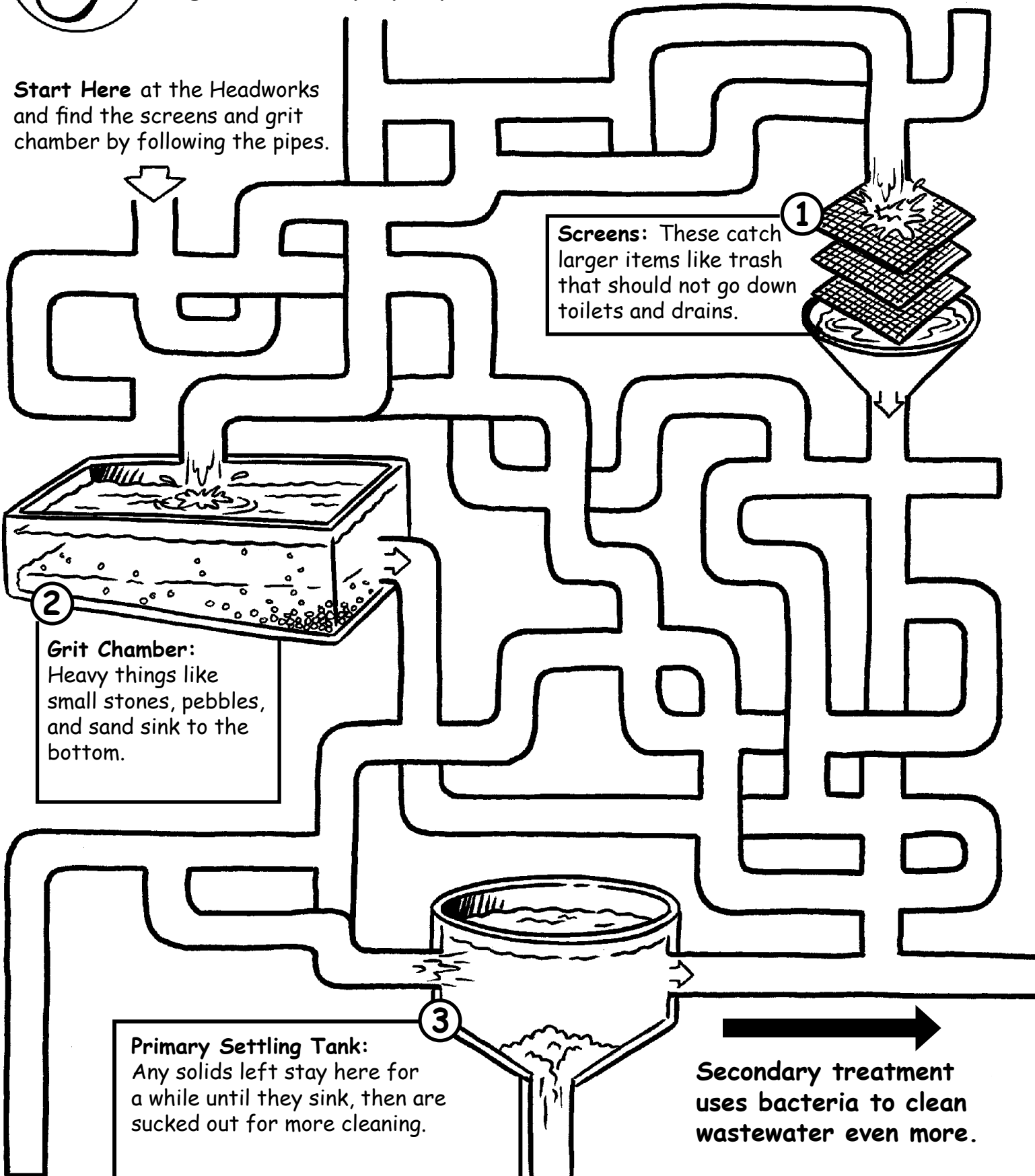




How does a sewage treatment plant work?

Move the wastewater through the maze in the correct order so it gets cleaned properly.

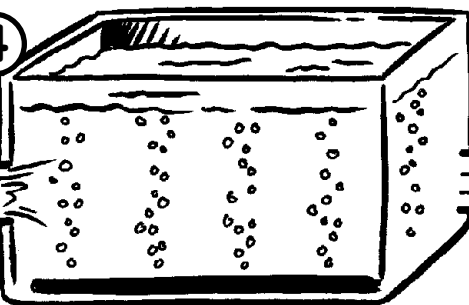
Start Here at the Headworks and find the screens and grit chamber by following the pipes.



Aeration Tank:

Air is added to help bacteria grow as they breakdown the remaining waste.

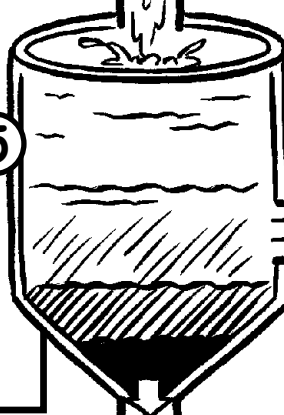
4



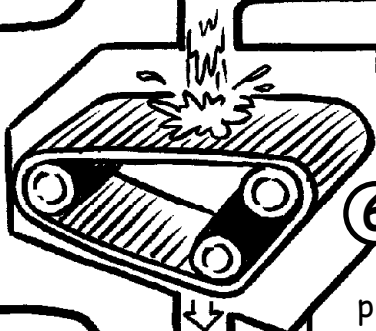
Secondary Settling Tank:

This is the last chance for the bacteria and waste floating in the water to sink to the bottom.

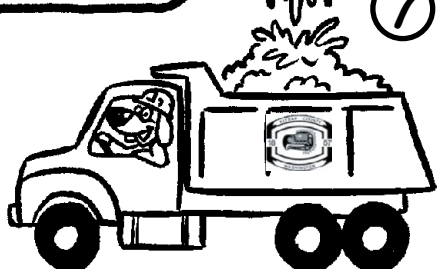
5



6 **Thickener:**
Filters and conveyor belt-presses remove most of the water left in the sludge.



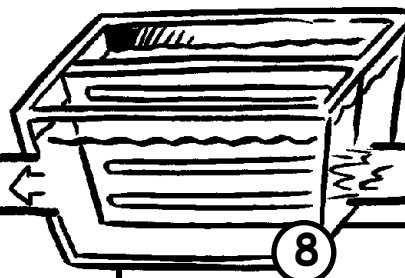
7 **Treated Sludge:**
This is sent to a company for additional treatment so it can be safely used in forests, lawns, fields and parks.



Disinfection:

Water is exposed to strong ultraviolet light to kill any remaining bacteria.

8

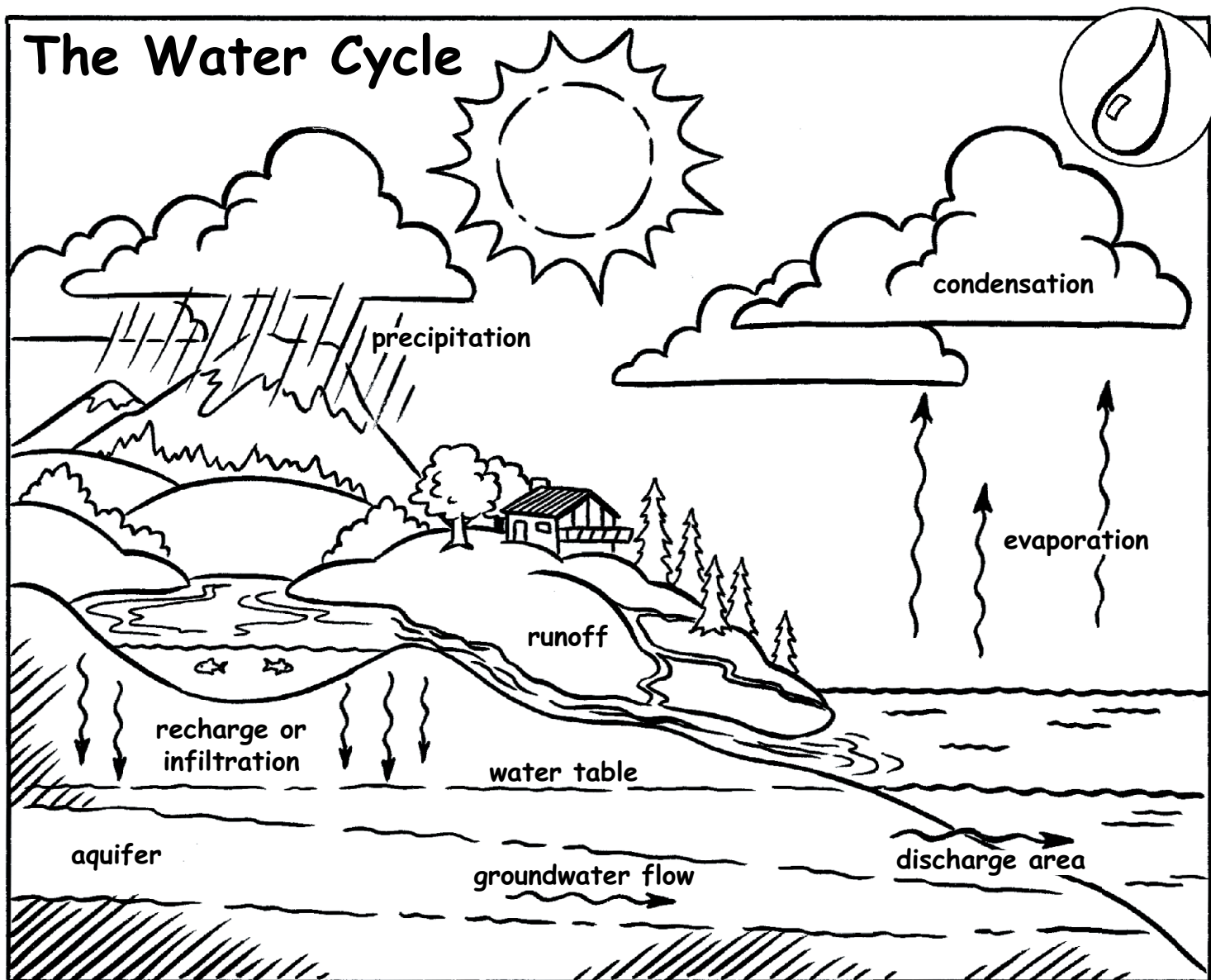


Outfall:

The treated water is released into Puget Sound, ready to go through the water cycle again!

9

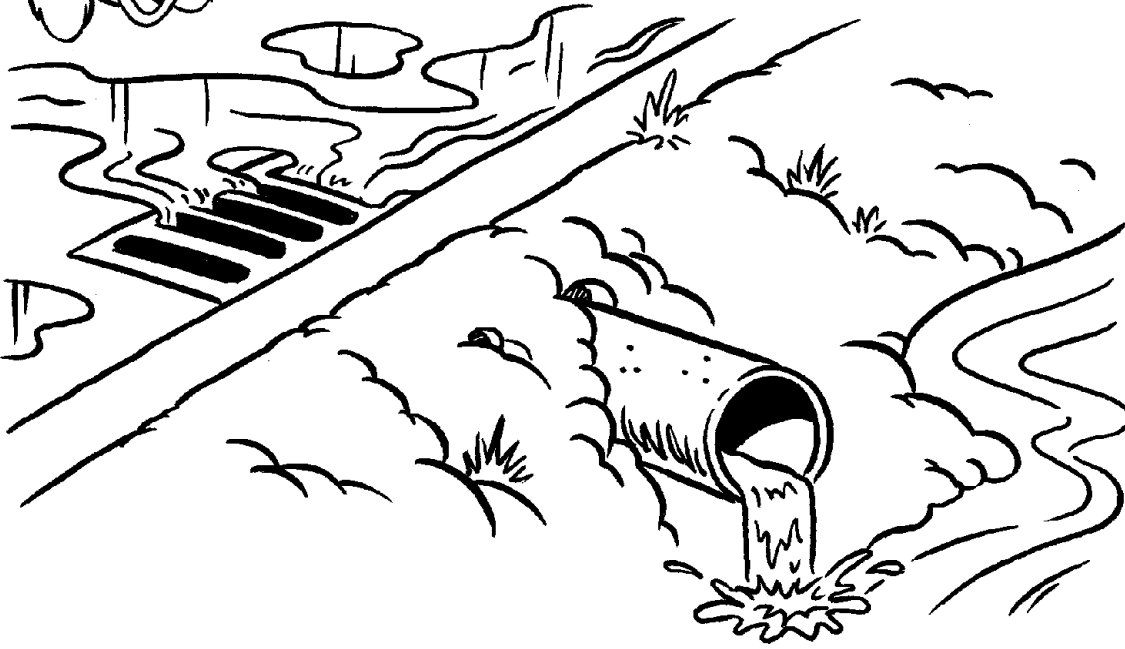
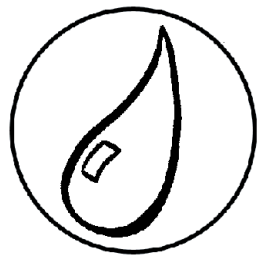




Water goes through an amazing journey from the earth to the sky and back again. This is called the water cycle. Very few drops are added or lost in this cycle. In fact, the water you drink today could be the same water dinosaurs drank! Can you think of other places the water you drink today could have been in the past?



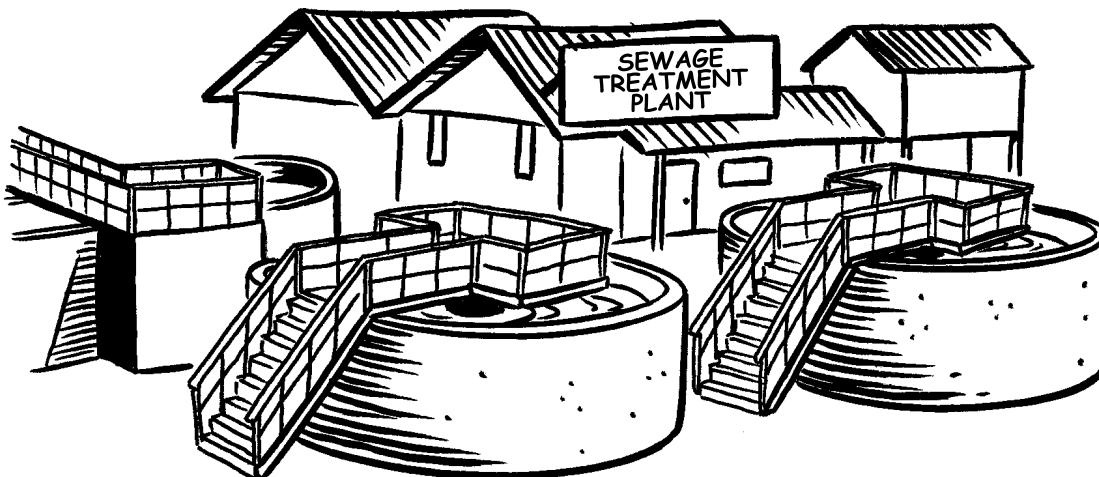
Help Pothole decode these
Public Works messages.



19 20 15 18 13 4 18 1 9 14 19 12 5 1 4 20 15 19 20 18 5 1 13 19

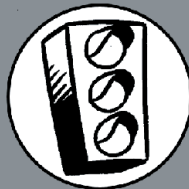
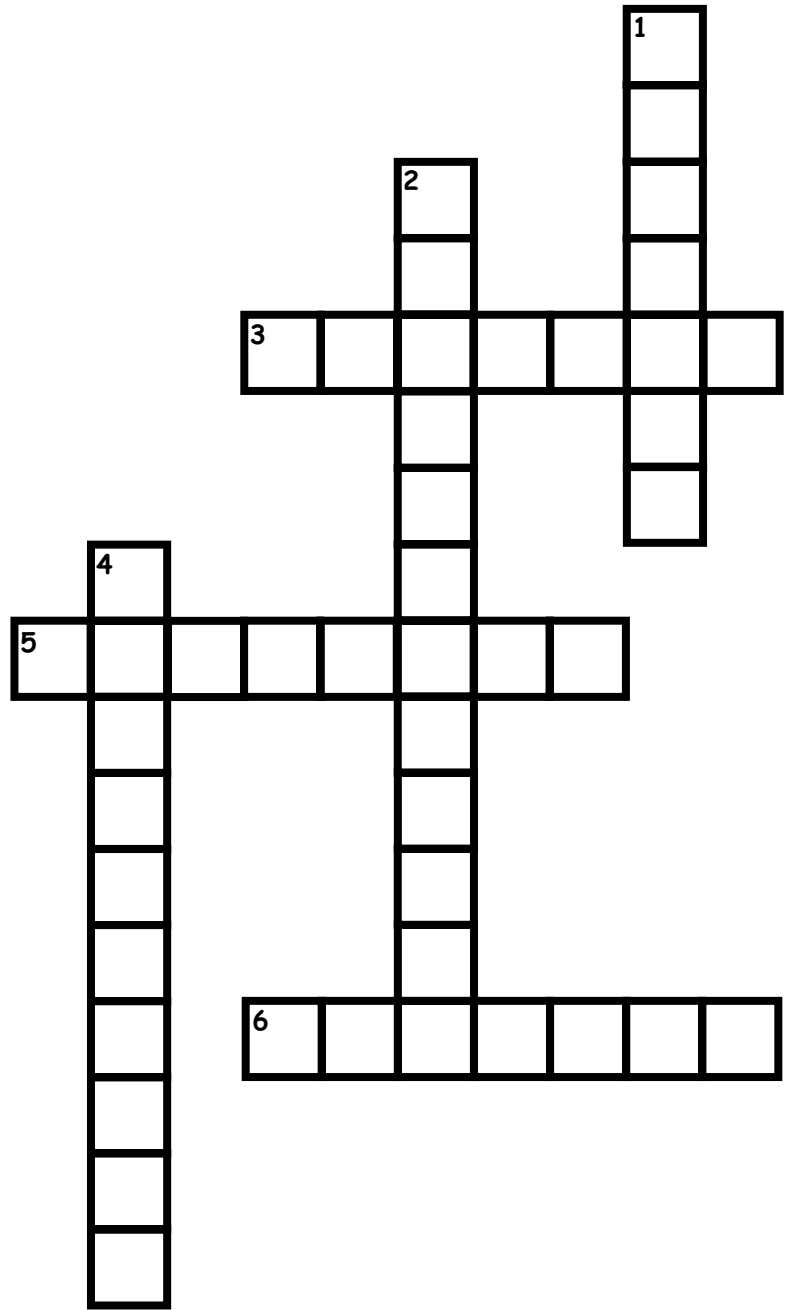
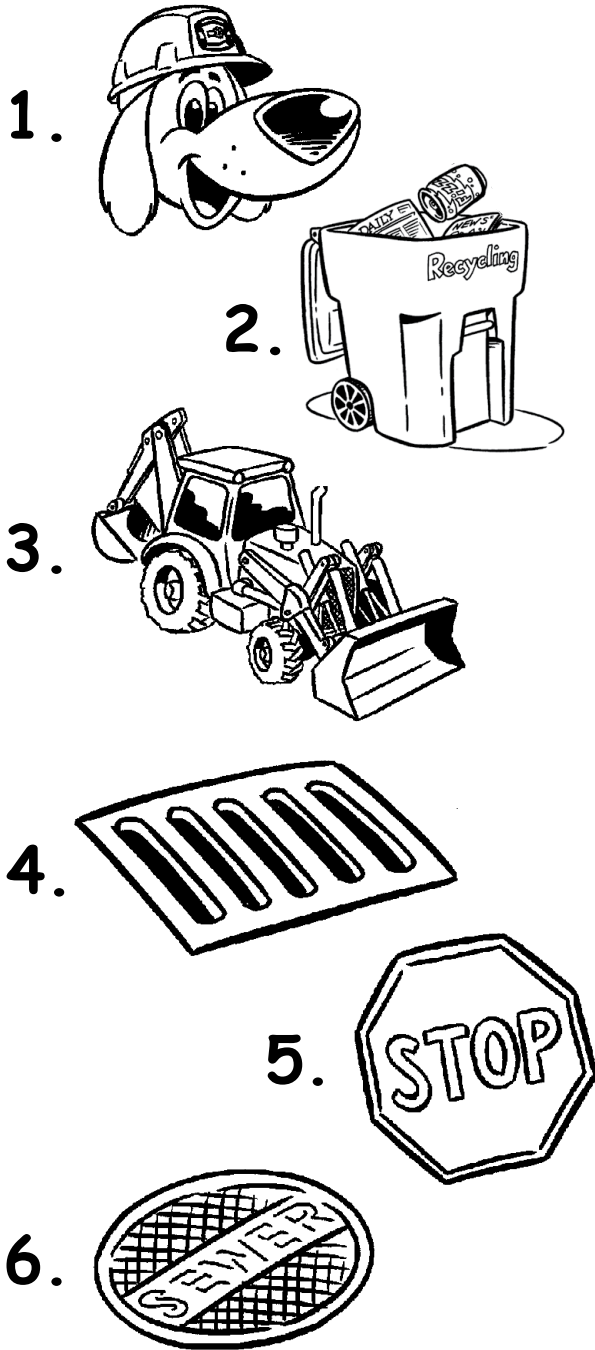
23 1 19 20 5 23 1 20 5 18 20 18 5 1 20 13 5 14 20 16 12 1 14 20 19

8 5 12 16 18 5 3 25 3 12 5 23 1 20 5 18



- 1 = A
- 2 = B
- 3 = C
- 4 = D
- 5 = E
- 6 = F
- 7 = G
- 8 = H
- 9 = I
- 10 = J
- 11 = K
- 12 = L
- 13 = M
- 14 = N
- 15 = O
- 16 = P
- 17 = Q
- 18 = R
- 19 = S
- 20 = T
- 21 = U
- 22 = V
- 23 = W
- 24 = X
- 25 = Y
- 26 = Z

Use the pictures to solve the crossword.



Answers: 1. Pothole 2. Recycling Bin 3. Backhoe 4. Stormdrain 5. Stopsign 6. Manhole

Wow!
Public Works people
are everywhere!
Thanks for showing us
what they do for our
community!



Circle the differences between the pictures (hint: there are 10). Next list some things in the pictures about traffic or transportation on the lines below.

Things in the pictures about traffic or transportation:

street sign	crosswalk
traffic light	street light
road crew	bus

Match the shape in the first column with the correct word for the sign in the second column.

Safety Message Wheel

Start with the letter indicated and write every other letter as you go around the wheel to find the hidden message.

**D O N ' T P L A Y O N
O R N E A R
T H E R O A D**

STORM DRAINS LEAD TO STREAMS
19 20 15 18 13 4 18 1 9 14 19 12 5 1 4 20 15 19 20 18 5 1 13 19

WASTEWATER TREATMENT PLANTS
23 1 19 20 5 23 1 20 5 18 20 18 5 1 20 13 5 14 20 16 12 1 14 20 19

HELP RECYCLE WATER
8 5 12 16 18 5 3 25 3 12 5 23 1 20 5 18

7 = G
8 = H
9 = I
10 = J
11 = K
12 = L
13 = M
14 = N
15 = O
16 = P
17 = Q
18 = R
19 = S
20 = T
21 = U
22 = V
23 = W
24 = X
25 = Y
26 = Z



Dear Parent:

This activity book was created to introduce children to an important part of our community, Kitsap County Public Works.

Children often wonder:

- What makes traffic lights change color?
- Where does the garbage go after the garbage truck picks it up?
- What happens to all the rainwater?
- Where does the water go after the toilet is flushed?
- How do roads get made?

By helping children answer these questions, they gain a better understanding of the world around them and how their actions affect the environment and our quality of life.

Kitsap County Public Works offers educational displays, materials, and curricula on many issues including managing surface and stormwater, treating wastewater, composting, recycling, and the safe disposal of hazardous household products. Going on field trips to a sewer treatment plant, the Olympic View Transfer Station, or a local stormwater park gives families and groups the opportunity to see Public Works in action.

If you have questions, comments, or need additional information, please contact us at:



Kitsap County Public Works
Kitsap1: 360.337.5777
www.kitsap.gov/pw